

HIGH-TECH in ALABAMA

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Alabama does business

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or call our office at 334/242-8855 for more information.*

**Alabama
High Tech Level I
Quarterly Workforce Indicators**

NAICS	Industry	Total Employment		Net Job Flows		Job Creation		New Hires		Separations		Turnover (%)	
		2005	2008	2005	2008	2005	2008	2005	2008	2005	2008	2005	2008
3254	Pharmaceutical and medicine manufacturing	521	820	28	40	36	47	97	116	85	78	9.7%	8.3%
3341	Computer and peripheral equipment manufacturing	3,903	4,211	19	-82	97	28	227	159	235	250	4.9%	4.5%
3342	Communications equipment manufacturing	2,074	2,106	-9	***	18	39	107	102	129	113	4.3%	3.9%
3344	Semiconductor and other electronic component manuf. Navigational, measuring, electromedical, & control	2,594	2,415	32	-12	149	101	325	256	349	306	9.4%	7.9%
3345	instruments manuf.	2,456	2,703	10	12	61	44	287	95	304	95	5.0%	3.1%
3364	Aerospace product and parts manufacturing	13,286	14,421	113	326	356	512	683	1,213	674	1,112	4.0%	4.7%
5112	Software publishers	478	381	-9	1	15	12	55	32	69	30	9.5%	6.2%
5182	Data processing, hosting, and related services	1,646	1,736	-54	-81	84	107	215	170	296	294	10.3%	10.5%
5191	Other Information Services	1,028	1,171	5	6	36	52	95	113	109	125	7.2%	7.3%
5413	Architectural, engineering, and related services	26,099	27,047	522	225	1,487	1,741	3,425	2,748	3,395	3,449	7.4%	8.2%
5415	Computer systems design and related services	16,297	17,838	404	920	1,089	1,677	1,936	1,968	1,768	1,672	8.3%	9.2%
5417	Scientific research and development services	4,224	5,624	5	120	146	218	309	380	365	309	6.1%	5.1%

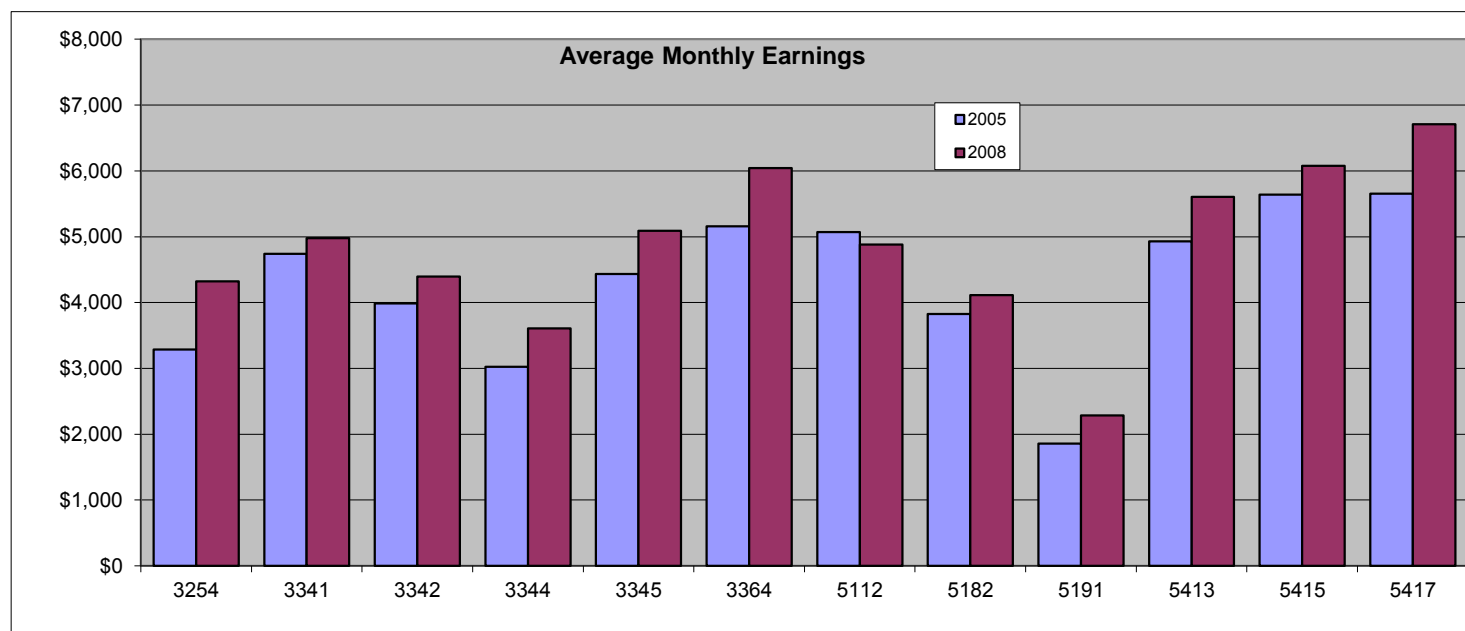
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Alabama
High Tech Level I
Quarterly Workforce Indicators

NAICS	Industry	Avg Monthly		Avg New Hire	
		2005	2008	2005	2008
3254	Pharmaceutical and medicine manufacturing	\$ 3,286.25	\$ 4,320.75	\$ 2,923.75	\$ 3,178.00
3341	Computer and peripheral equipment manufacturing	\$ 4,738.50	\$ 4,976.25	\$ 3,384.25	\$ 4,581.25
3342	Communications equipment manufacturing	\$ 3,984.75	\$ 4,396.50	\$ 2,765.75	\$ 3,458.00
3344	Semiconductor and other electronic component manuf.	\$ 3,025.50	\$ 3,605.50	\$ 2,375.25	\$ 2,355.50
3345	Navigational, measuring, electromedical, & control instruments manuf.	\$ 4,435.00	\$ 5,089.50	\$ 3,257.75	\$ 4,196.25
3364	Aerospace product and parts manufacturing	\$ 5,160.00	\$ 6,044.50	\$ 4,464.75	\$ 5,569.75
5112	Software publishers	\$ 5,071.00	\$ 4,882.25	\$ 3,828.25	\$ 3,327.00
5182	Data processing, hosting, and related services	\$ 3,826.25	\$ 4,110.75	\$ 2,932.50	\$ 3,639.75
5191	Other Information Services	\$ 1,856.75	\$ 2,286.50	\$ 1,531.50	\$ 1,719.50
5413	Architectural, engineering, and related services	\$ 4,930.25	\$ 5,605.50	\$ 3,871.25	\$ 4,707.00
5415	Computer systems design and related services	\$ 5,640.75	\$ 6,078.00	\$ 4,550.50	\$ 5,221.00
5417	Scientific research and development services	\$ 5,655.75	\$ 6,708.00	\$ 4,573.75	\$ 5,395.25



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**Alabama
High Tech Level II
Quarterly Workforce Indicators**

NAICS	Industry	Total Employment		Net Job Flows		Job Creation		New Hires		Separations		Turnover (%)	
		2005	2008	2005	2008	2005	2008	2005	2008	2005	2008	2005	2008
1131	Timber tract operations	264	201	6	***	16	8	37	11	38	13	6.5%	4.0%
1132	Forestry nursery and gathering forest products	51	31	3	***	***	4	20	7	20	10	17.8%	8.1%
2111	Oil and gas extraction	490	713	14	-11	63	13	39	30	65	48	9.3%	4.5%
2211	Electric power generation, transmission and distribution	12,047	12,923	16	69	136	158	294	345	444	413	2.1%	2.4%
3251	Basic chemical manufacturing	3,041	3,244	15	90	82	127	94	123	127	123	3.0%	4.2%
3252	Resin, synthetic rubber, & artificial synthetic fibers & filaments manuf.	2,540	2,515	-45	-6	46	113	157	125	216	206	4.8%	5.6%
3332	Industrial machinery manufacturing	1,075	666	32	-24	58	23	176	62	156	90	8.7%	8.4%
3333	Commercial and service industry machinery manuf.	802	963	-5	-45	14	12	41	40	54	93	3.6%	6.4%
3343	Audio & video equipment manufacturing	***	***	***	***	***	***	***	***	***	***	24.5%	14.1%
3346	Manufacturing and reproducing magnetic and optical media	4,307	3,878	-81	-165	36	35	518	571	650	738	8.9%	7.7%
4234	Professional & commercial equipment & supply merchant wholesalers	4,700	4,124	30	-14	204	135	408	277	444	341	6.7%	6.0%
5416	Management, scientific, and technical consulting services	7,172	7,837	288	51	894	634	2,334	1,462	2,320	1,589	15.1%	11.0%

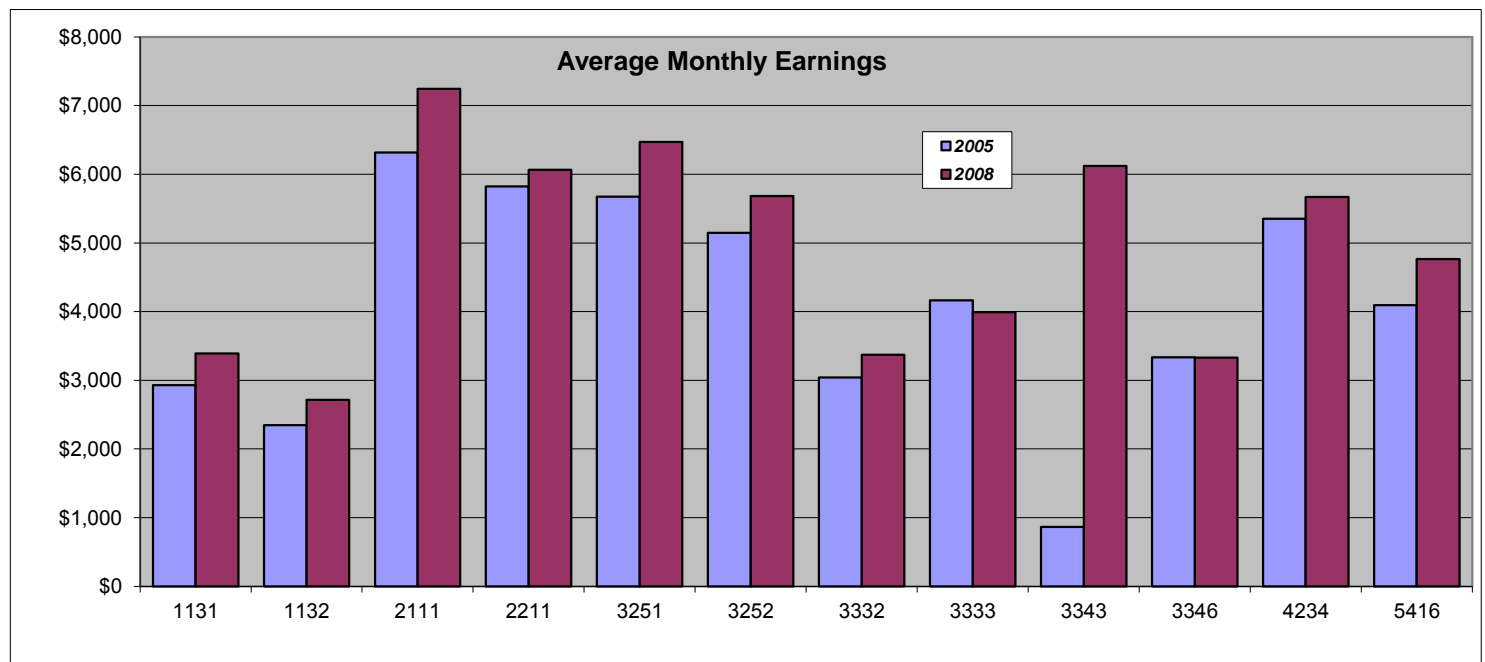
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Alabama
High Tech Level II
Quarterly Workforce Indicators

NAICS	Industry	Avg Monthly		Avg New Hire	
		2005	2008	2005	2008
1131	Timber tract operations	\$ 2,928.50	\$ 3,390.50	\$ 2,162.75	\$ 2,334.75
1132	Forestry nursery and gathering forest products	\$ 2,345.00	\$ 2,713.75	\$ 1,366.50	***
2111	Oil and gas extraction	\$ 6,316.50	\$ 7,241.75	\$ 5,321.00	\$ 5,903.50
2211	Electric power generation, transmission and distribution	\$ 5,824.75	\$ 6,063.25	\$ 4,512.25	\$ 4,529.50
3251	Basic chemical manufacturing	\$ 5,673.75	\$ 6,469.25	\$ 4,295.75	\$ 5,038.50
3252	Resin, synthetic rubber, & artificial synthetic fibers & filaments manuf.	\$ 5,146.75	\$ 5,683.75	\$ 3,795.50	\$ 4,364.75
3332	Industrial machinery manufacturing	\$ 3,043.00	\$ 3,374.25	\$ 2,061.50	\$ 2,547.50
3333	Commercial and service industry machinery manuf.	\$ 4,162.00	\$ 3,993.75	\$ 3,317.00	\$ 2,927.50
3343	Audio & video equipment manufacturing	\$ 867.50	\$ 6,121.00	\$ 632.00	\$ 6,480.75
3346	Manufacturing and reproducing magnetic and optical media	\$ 3,332.75	\$ 3,331.75	\$ 2,216.50	\$ 2,249.50
4234	Professional & commercial equipment & supply merchant wholesalers	\$ 5,353.25	\$ 5,669.25	\$ 3,666.75	\$ 4,068.00
5416	Management, scientific, and technical consulting services	\$ 4,094.50	\$ 4,763.75	\$ 3,181.00	\$ 3,899.50



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Alabama
High Tech Level III
Quarterly Workforce Indicators

NAICS	Industry	Total Employment		Net Job Flows		Job Creation		New Hires		Separations		Turnover (%)	
		2005	2008	2005	2008	2005	2008	2005	2008	2005	2008	2005	2008
3241	Petroleum and coal products manufacturing	2,068	1,748	26	-24	53	51	148	94	133	151	4.6%	5.3%
3253	Pesticide, fertilizer, and other agricultural chemical manuf.	1,756	1,326	-2	-2	65	43	133	66	162	100	4.0%	4.5%
3255	Paint, coating, and adhesive manufacturing	915	999	-6	-11	14	18	43	59	55	78	3.8%	5.0%
3259	Other chemical product & preparation manufacturing	461	521	9	3	20	14	46	42	43	42	6.4%	5.6%
3336	Engine, turbine, & power transmission equipment manuf.	1,746	1,580	59	-17	63	16	137	41	93	68	4.9%	2.9%
3339	Other general-purpose machinery manufacturing	3,793	3,759	-1	-44	162	105	455	306	501	393	7.4%	6.0%
3353	Electrical equipment manufacturing	1,004	1,049	75	8	128	94	104	70	131	147	9.9%	11.3%
3369	Other transportation equipment manufacturing	871	1,709	-15	65	***	88	60	158	82	98	6.7%	6.6%
4861	Pipeline transportation of crude oil	14	103	11	5	11	20	16	17	4	***	2.1%	14.3%
4862	Pipeline transportation of natural gas	451	481	-1	5	4	10	9	15	13	13	2.5%	2.5%
4869	Other pipeline transportation	112	89	1	***	2	***	***	***	3	3	3.4%	3.4%
5171	Wired telecommunications carriers	9,602	9,486	21	337	423	679	810	1,295	1,034	944	6.5%	7.1%
5172	Wireless telecommunications carriers (except satellite)	1,444	1,454	37	-16	118	33	279	155	263	201	12.7%	8.6%
5174	Satellite telecommunications	***	9	***	***	***	***	***	***	***	***	***	2.9%
5179	Other telecommunications	2,018	1,205	-41	13	79	65	271	226	323	223	9.2%	9.2%
5211	Monetary authorities - central bank	***	***	***	***	***	***	***	***	***	***	10.2%	1.2%
5511	Management of companies and enterprises	13,853	15,634	288	132	711	711	2,148	2,323	2,213	2,358	8.6%	8.7%
5612	Facilities support services	3,286	3,599	-63	9	88	169	430	423	576	473	8.8%	7.6%
8112	Electronic & precision equipment repair & maintenance	2,874	2,700	32	127	175	234	358	401	383	284	9.5%	9.4%

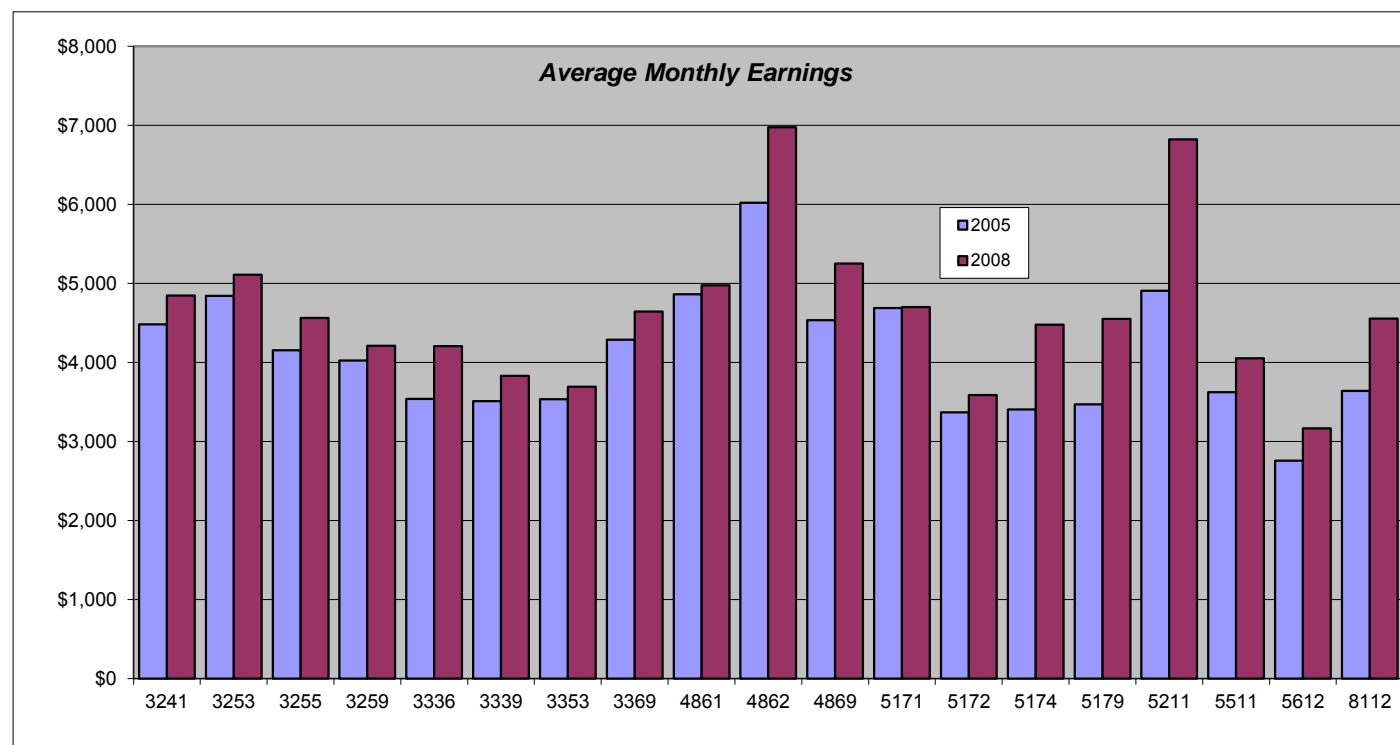
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Alabama
High Tech Level III
Quarterly Workforce Indicators

NAICS	Industry	Avg Monthly		Avg New Hire	
		2005	2008	2005	2008
3241	Petroleum and coal products manufacturing	\$ 4,481.00	\$ 4,848.50	\$ 3,509.75	\$ 3,118.00
3253	Pesticide, fertilizer, and other agricultural chemical manuf.	\$ 4,843.00	\$ 5,109.75	\$ 3,526.25	\$ 3,654.75
3255	Paint, coating, and adhesive manufacturing	\$ 4,156.50	\$ 4,563.75	\$ 3,428.25	\$ 3,577.25
3259	Other chemical product & preparation manufacturing	\$ 4,025.50	\$ 4,211.00	\$ 2,940.75	\$ 2,793.75
3336	Engine, turbine, & power transmission equipment manuf.	\$ 3,540.50	\$ 4,207.50	\$ 2,768.00	\$ 5,140.50
3339	Other general-purpose machinery manufacturing	\$ 3,511.25	\$ 3,832.25	\$ 2,375.00	\$ 2,779.75
3353	Electrical equipment manufacturing	\$ 3,534.25	\$ 3,693.75	\$ 2,557.00	\$ 2,773.50
3369	Other transportation equipment manufacturing	\$ 4,289.00	\$ 4,646.25	\$ 3,249.25	\$ 3,958.75
4861	Pipeline transportation of crude oil	\$ 4,863.50	\$ 4,976.25	***	\$ 4,551.75
4862	Pipeline transportation of natural gas	\$ 6,019.75	\$ 6,977.25	\$ 5,239.25	\$ 6,617.00
4869	Other pipeline transportation	\$ 4,533.75	\$ 5,252.50	\$ 5,007.50	\$ 3,955.25
5171	Wired telecommunications carriers	\$ 4,687.00	\$ 4,700.75	\$ 3,099.25	\$ 3,327.75
5172	Wireless telecommunications carriers (except satellite)	\$ 3,369.75	\$ 3,587.00	\$ 2,514.75	\$ 2,721.25
5174	Satellite telecommunications	\$ 3,404.75	\$ 4,480.25	***	\$ 1,052.50
5179	Other telecommunications	\$ 3,471.50	\$ 4,552.50	\$ 2,344.00	\$ 3,737.75
5211	Monetary authorities - central bank	\$ 4,909.00	\$ 6,823.25	\$ 4,492.50	***
5511	Management of companies and enterprises	\$ 3,625.25	\$ 4,055.00	\$ 2,288.75	\$ 2,806.25
5612	Facilities support services	\$ 2,759.00	\$ 3,165.50	\$ 2,057.75	\$ 2,498.50
8112	Electronic & precision equipment repair & maintenance	\$ 3,642.25	\$ 4,553.75	\$ 2,974.25	\$ 4,441.50



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**Alabama
High Tech**
Other industries meeting at least one criterion
Quarterly Workforce Indicators

NAICS	Industry	Total Employment		Net Job Flows		Job Creation		New Hires		Separations		Turnover (%)	
		2005	2008	2005	2008	2005	2008	2005	2008	2005	2008	2005	2008
3324	Boiler, tank & shipping container manufacturing	2,302	1,801	8	35	106	124	407	412	459	431	8.2%	8.6%
3329	Other fabricated metal product manufacturing	3,508	3,327	38	-8	146	128	431	449	467	572	6.1%	6.4%
3335	Metalworking machinery manufacturing	1,226	1,192	21	2	49	49	144	122	140	137	6.6%	7.3%
3359	Other electrical equipment & component manufacturing	1,469	1,191	23	4	61	33	132	73	116	76	6.0%	4.3%
3361	Motor vehicle manufacturing	9,860	13,654	383	-47	454	76	647	215	295	350	4.7%	1.5%
3362	Motor vehicle body and trailer manufacturing	5,016	4,636	467	-129	568	125	1,131	338	729	505	11.5%	7.3%
3363	Motor vehicle parts manufacturing	16,597	17,548	2,237	-447	2,598	391	3,049	1,058	1,748	1,666	11.1%	6.2%

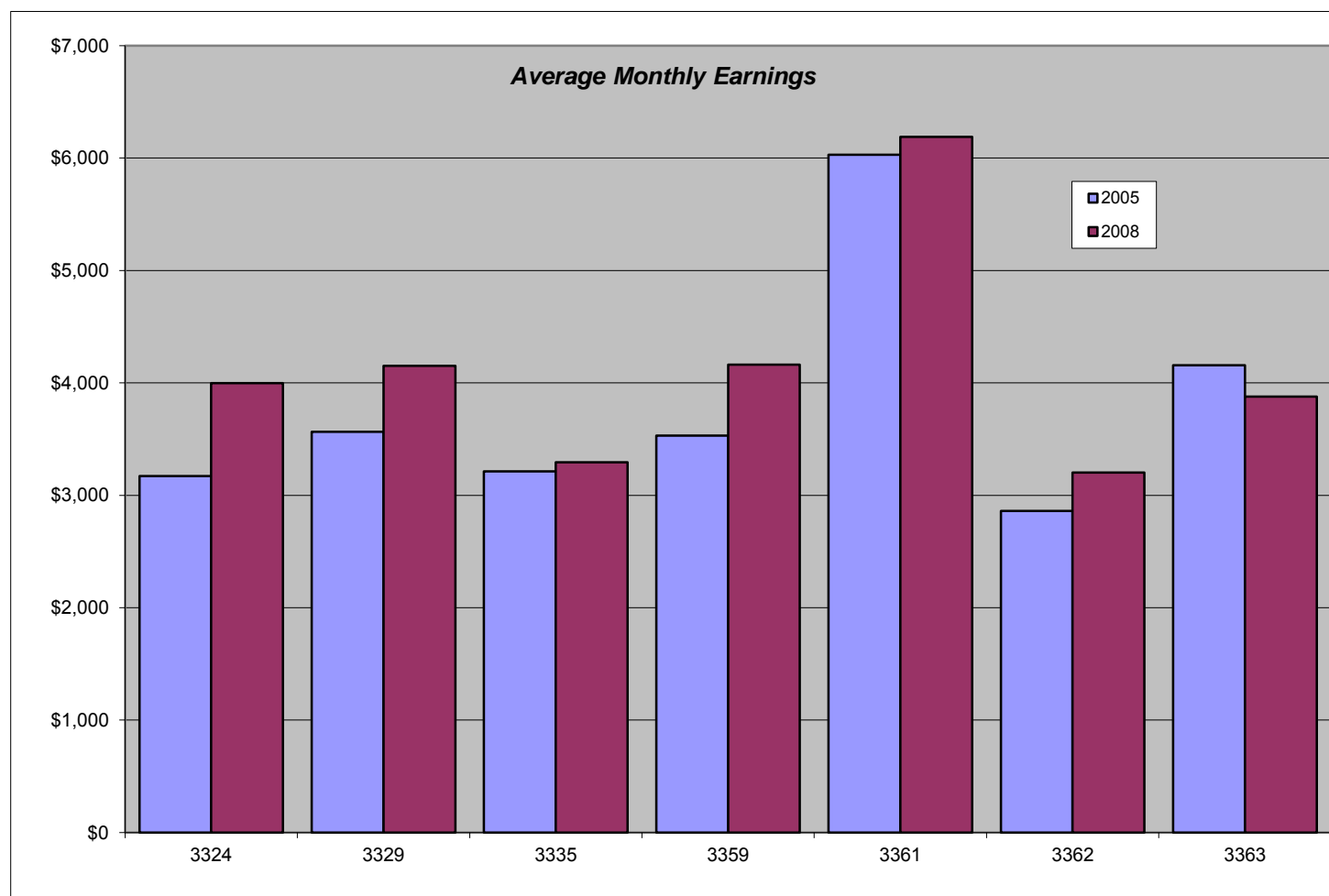
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Other industries meeting at least one criterion
Quarterly Workforce Indicators

NAICS	Industry	Avg Monthly		Avg New Hire	
		2005	2008	2005	2008
3324	Boiler, tank & shipping container manufacturing	\$ 3,171.75	\$ 3,997.75	\$ 2,087.00	\$ 3,174.50
3329	Other fabricated metal product manufacturing	\$ 3,566.25	\$ 4,152.00	\$ 2,921.75	\$ 3,339.00
3335	Metalworking machinery manufacturing	\$ 3,213.25	\$ 3,292.75	\$ 2,223.00	\$ 2,481.00
3359	Other electrical equipment & component manufacturing	\$ 3,530.00	\$ 4,163.50	\$ 3,442.00	\$ 3,528.50
3361	Motor vehicle manufacturing	\$ 6,030.50	\$ 6,187.75	\$ 4,748.50	\$ 5,936.50
3362	Motor vehicle body and trailer manufacturing	\$ 2,861.75	\$ 3,202.75	\$ 2,279.25	\$ 2,680.50
3363	Motor vehicle parts manufacturing	\$ 4,157.50	\$ 3,877.25	\$ 3,106.00	\$ 2,810.00

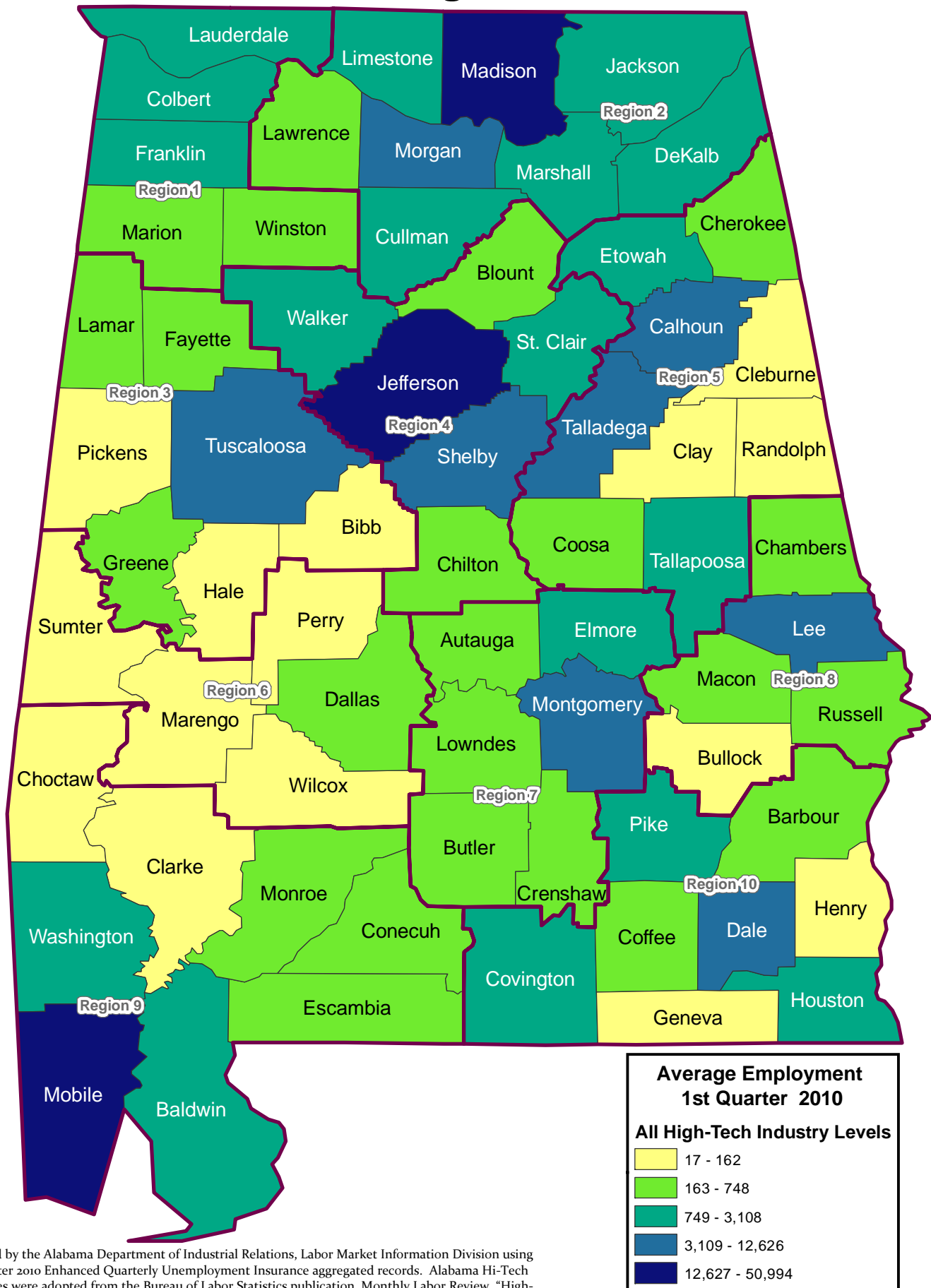


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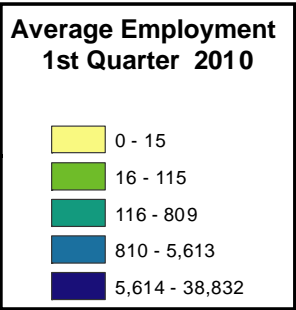
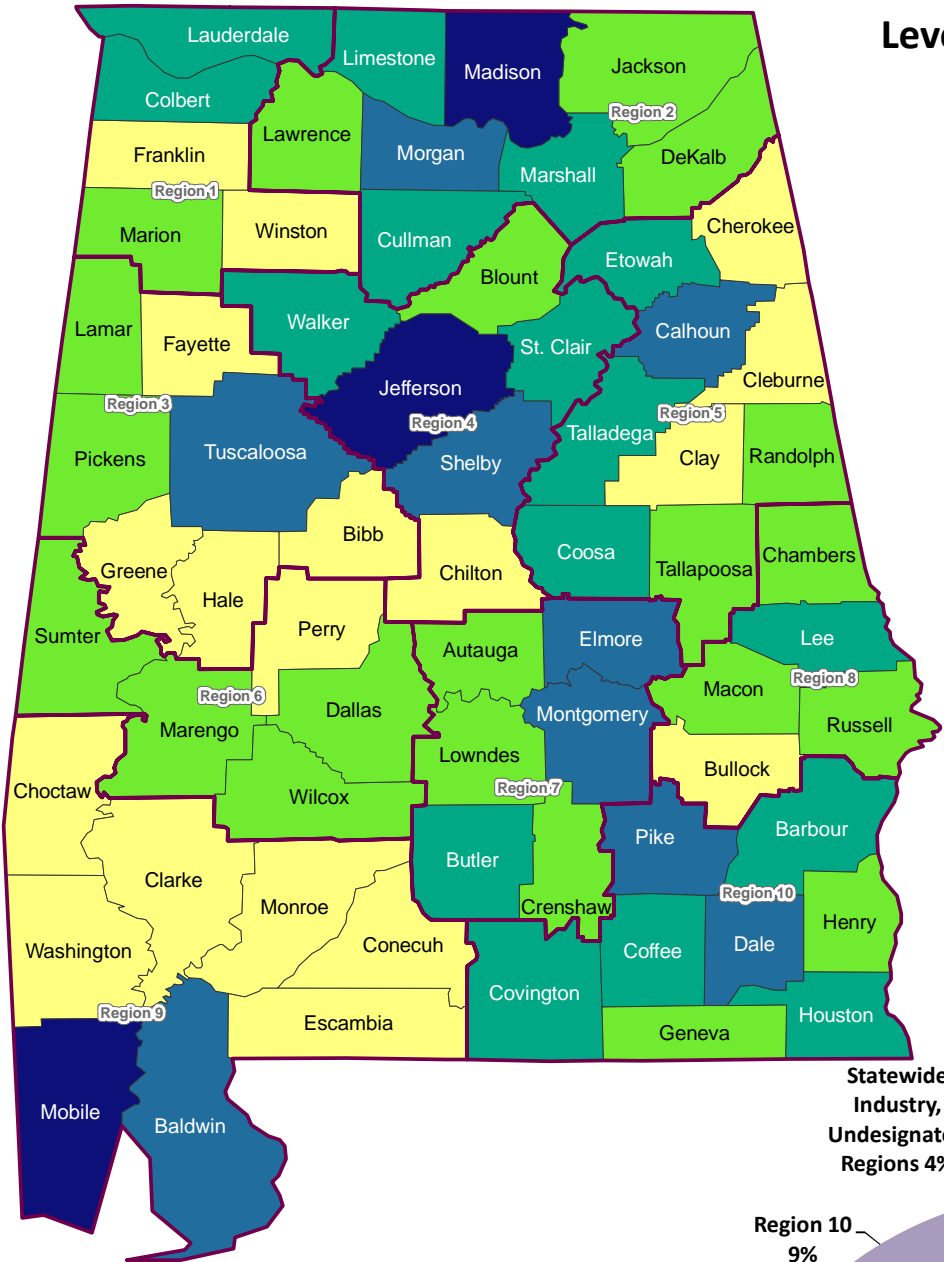
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All Levels of High-Tech Industries



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Level I High-Tech Industries

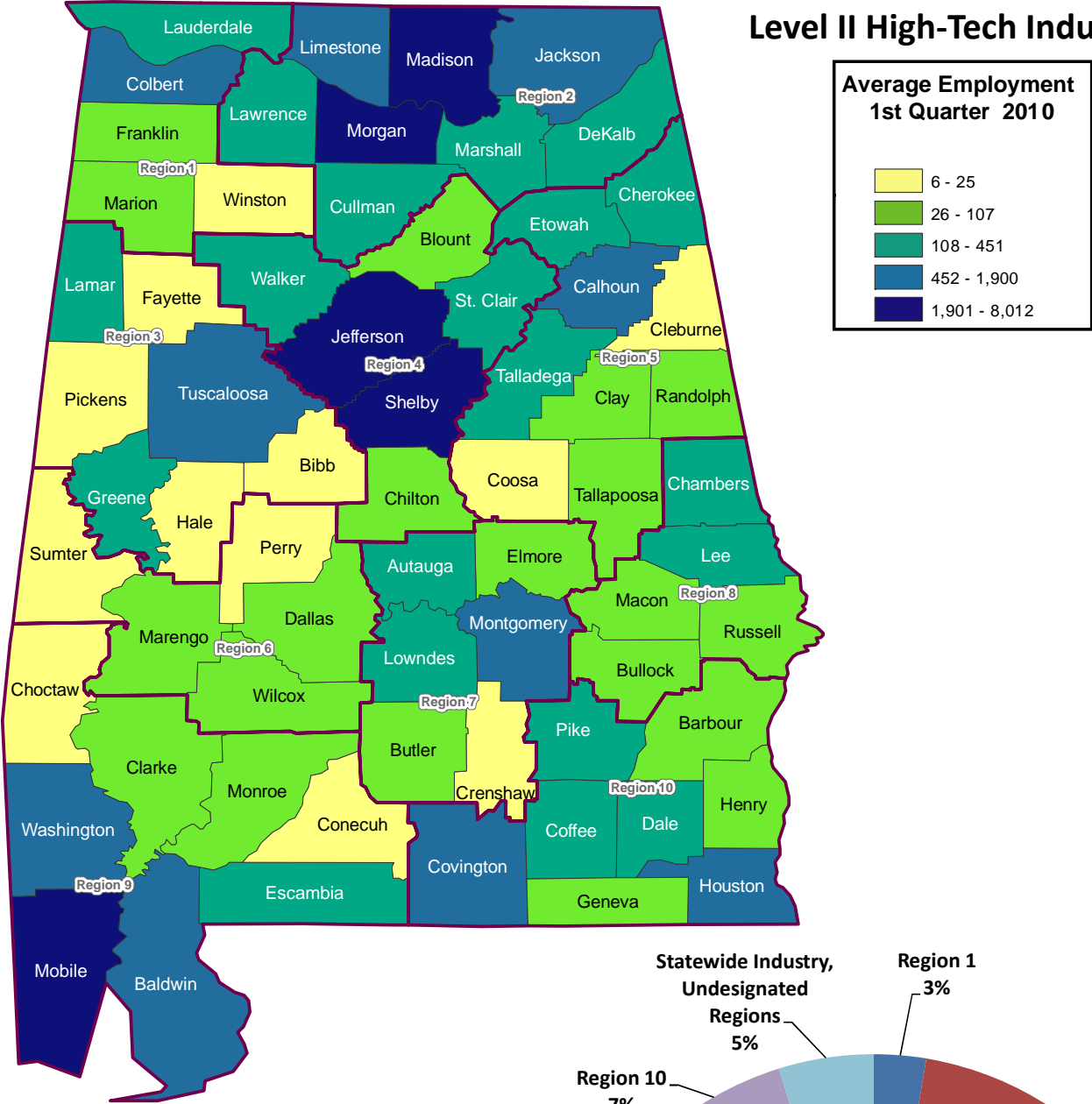


Level I High-Tech Employer Distribution by Region

Note: The percentages may not always add up to 100% due to rounding.

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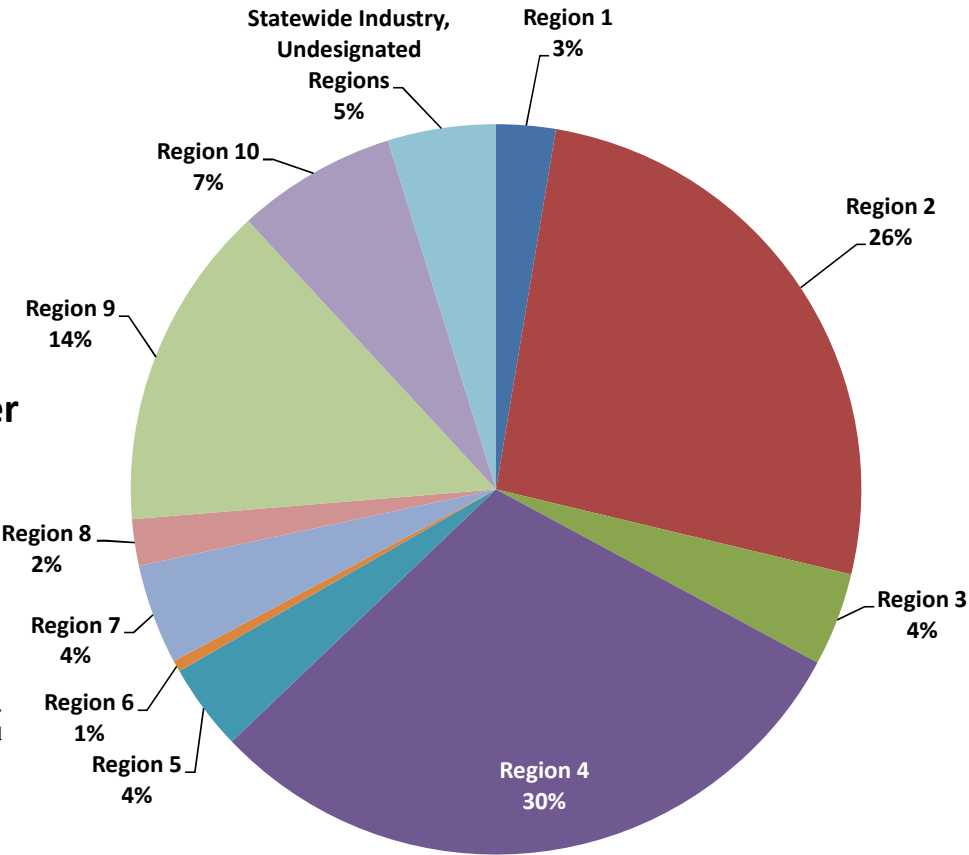
Level II High-Tech Industries



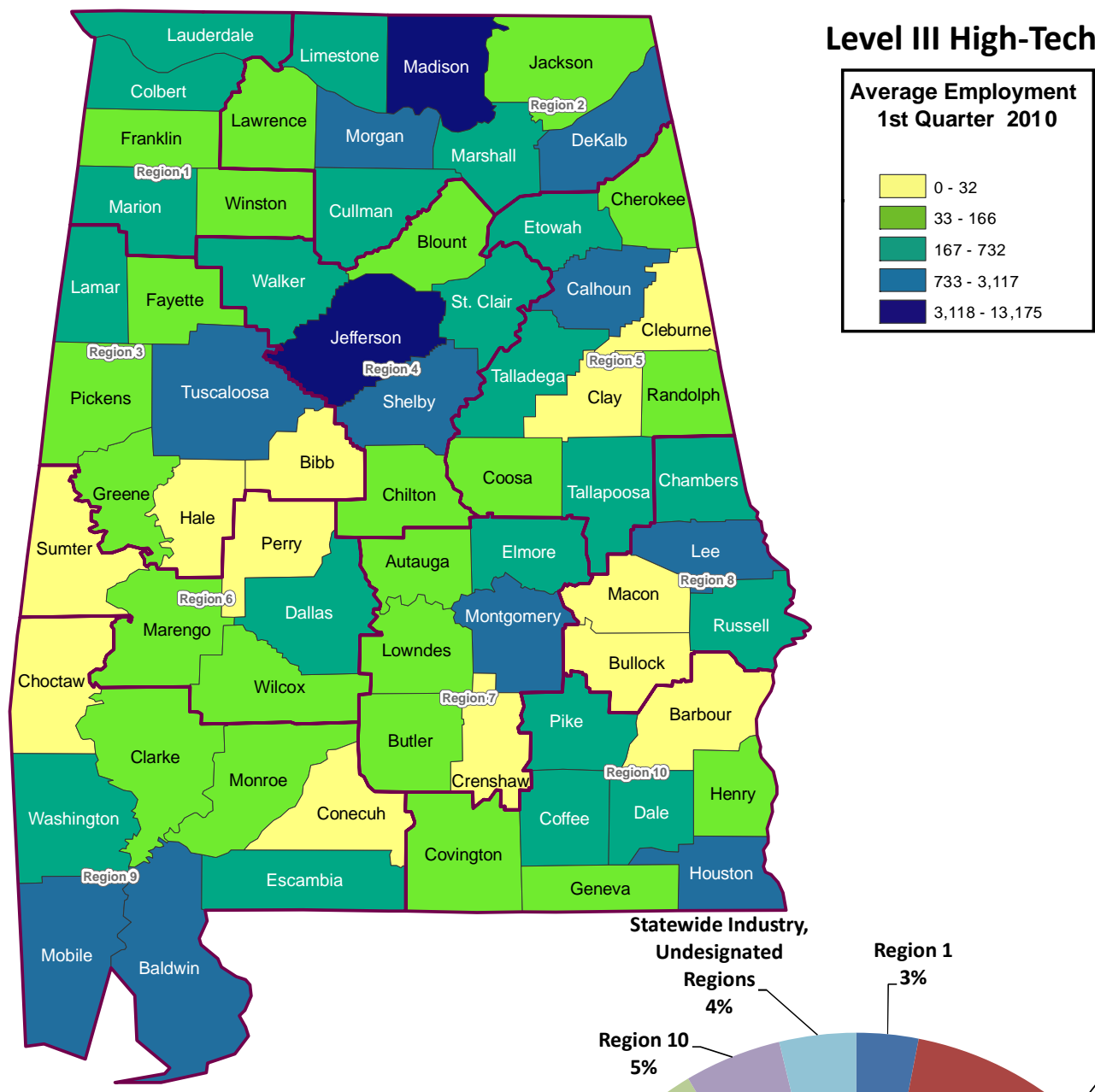
Level II High-Tech Employer Distribution by Region

Note: The percentages may not always add up to 100% due to rounding.

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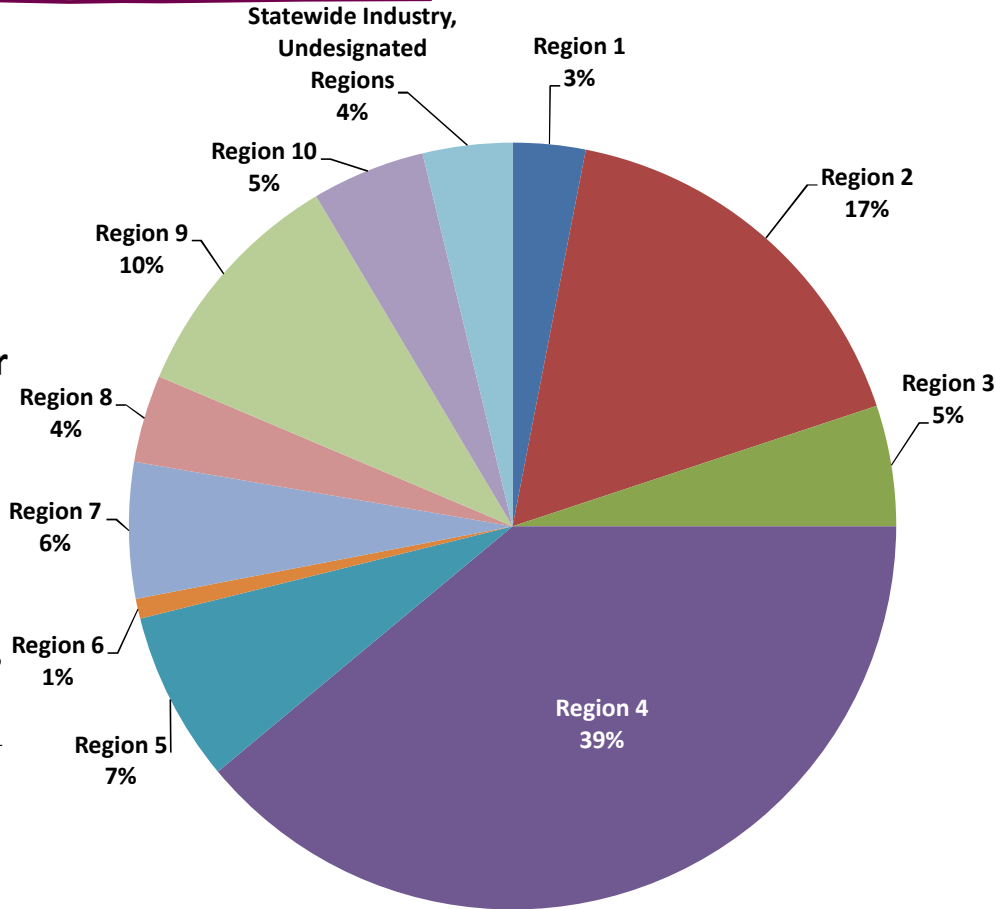
Level III High-Tech Industries



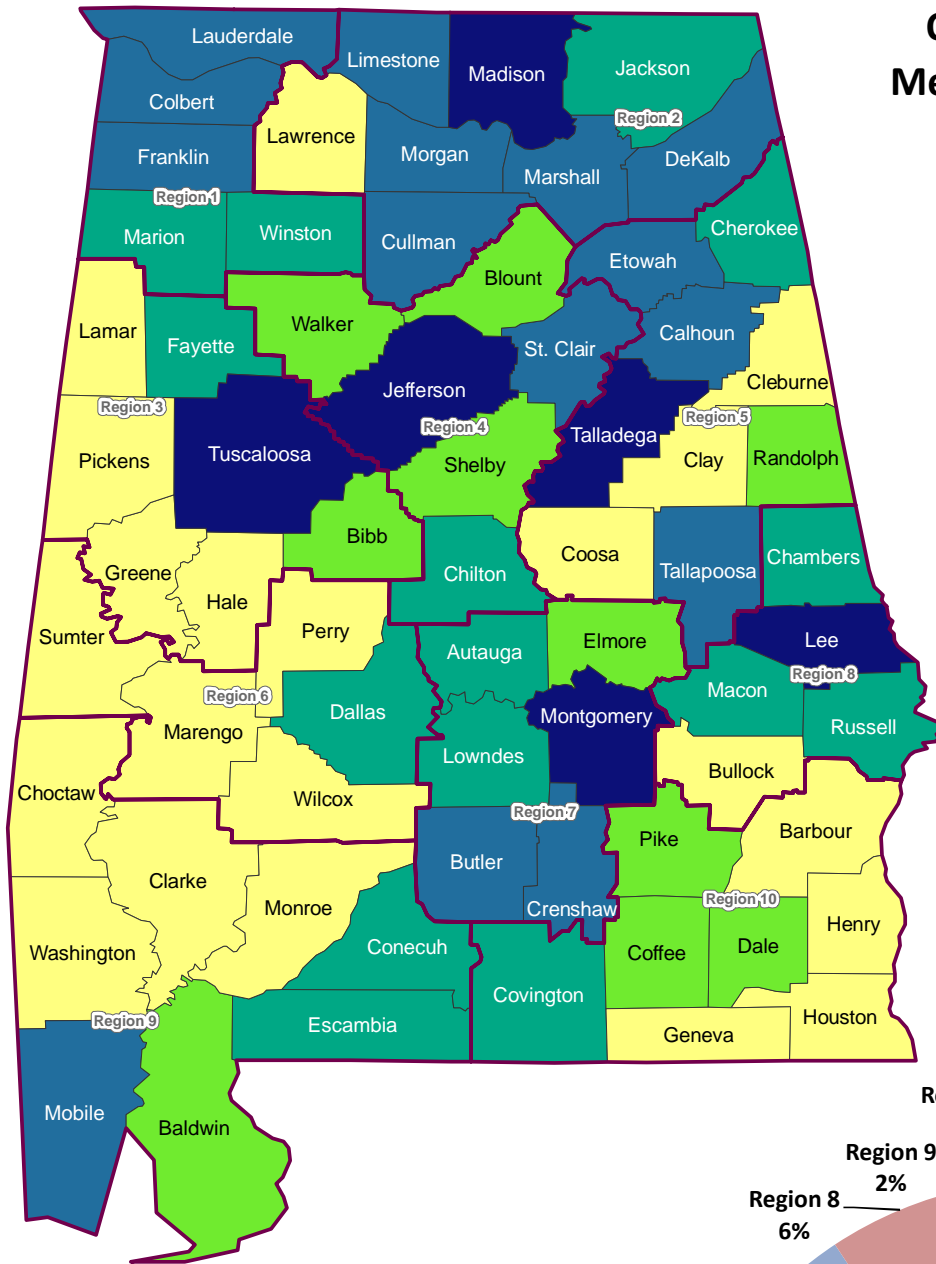
Level III High-Tech Employer Distribution by Region

Note: The percentages may not always add up to 100% due to rounding.

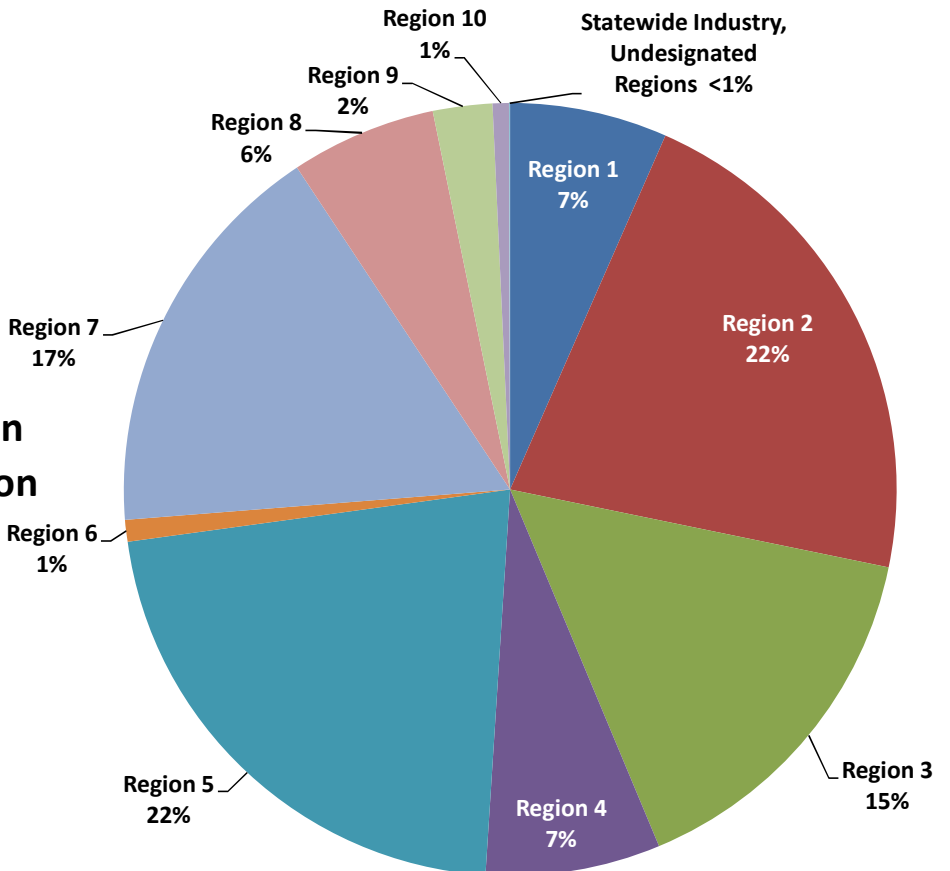
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Other High-Tech Industries Meeting at Least One Criterion



Other High-Tech Industries Meeting at Least One Criterion Employer Distribution by Region



Note: The percentages may not always add up to 100% due to rounding.

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Location Quotients for Alabama's High-Technology Oriented Industries ⁽¹⁾

Industry	Alabama Annual Average Employment			Annual Employment Change		Percent of Alabama Employment			Alabama's Location Quotient (LQ)		
	2007	2008	2009	2007-2008	2008-2009	2007	2008	2009	2007	2008	2009
Base Industry: Total, all industries	1,951,864	1,936,230	1,829,156	-15,634	-107,074				1.00	1.00	1.00
1131 Timber tract operations	196	194	191	-2	-3	0.01%	0.01%	0.01%	1.91	1.84	1.88
1132 Forest nursery and gathering forest products	41	42	37	1	-5	0.00%	0.00%	0.00%	1.17	1.18	0.89
2111 Oil and gas extraction	771	759	750	-12	-9	0.04%	0.04%	0.04%	0.37	0.33	0.33
2211 Power generation and supply	14,993	15,174	15,415	181	241	0.77%	0.78%	0.84%	2.13	2.13	2.17
3241 Petroleum and coal products manufacturing	2,048	1,823	1,639	-225	-184	0.10%	0.09%	0.09%	1.23	1.09	1.01
3251 Basic chemical manufacturing	3,158	3,318	3,135	160	-183	0.16%	0.17%	0.17%	1.47	1.51	1.52
3252 Resin, rubber, and artificial fibers mfg.	2,657	2,666	2,328	9	-338	0.14%	0.14%	0.13%	1.75	1.81	1.78
3253 Agricultural chemical manufacturing	1,488	1,444	1,356	-44	-88	0.08%	0.07%	0.07%	2.80	2.71	2.59
3254 Pharmaceutical and medicine manufacturing	705	783	993	78	210	0.04%	0.04%	0.05%	0.17	0.19	0.25
3255 Paint, coating, and adhesive manufacturing	908	923	827	15	-96	0.05%	0.05%	0.05%	0.99	1.04	1.03
3259 Other chemical product and preparation mfg.	515	505	508	-10	3	0.03%	0.03%	0.03%	0.36	0.37	0.42
3324 Boiler, tank, and shipping container mfg.	1,693	1,656	1,597	-37	-59	0.09%	0.09%	0.09%	1.20	1.19	1.29
3329 Other fabricated metal product manufacturing	3,173	3,128	2,601	-45	-527	0.16%	0.16%	0.14%	0.75	0.76	0.72
3332 Industrial machinery manufacturing	928	736	606	-192	-130	0.05%	0.04%	0.03%	0.51	0.42	0.42
3333 Commercial and service industry machinery	1,010	934	718	-76	-216	0.05%	0.05%	0.04%	0.65	0.61	0.53
3335 Metalworking machinery manufacturing	1,138	1,089	961	-49	-128	0.06%	0.06%	0.05%	0.41	0.40	0.43
3336 Turbine and power transmission equipment mfg.	1,566	1,503	1,462	-63	-41	0.08%	0.08%	0.08%	1.08	1.00	1.10
3339 Other general purpose machinery manufacturing	3,814	3,785	3,072	-29	-713	0.20%	0.20%	0.17%	0.96	0.96	0.92
3341 Computer and peripheral equipment mfg.	4,214	4,051	3,645	-163	-406	0.22%	0.21%	0.20%	1.57	1.54	1.53
3342 Communications equipment manufacturing	2,166	2,131	2,051	-35	-80	0.11%	0.11%	0.11%	1.17	1.17	1.21
3344 Semiconductor and electronic component mfg.	2,571	2,445	2,128	-126	-317	0.13%	0.13%	0.12%	0.40	0.39	0.40
3345 Electronic instrument manufacturing	2,422	2,457	2,370	35	-87	0.12%	0.13%	0.13%	0.38	0.39	0.40
3346 Magnetic media manufacturing and reproducing	3,934	3,590	3,168	-344	-422	0.20%	0.19%	0.17%	7.12	7.15	8.02

1. Alabama High-tech occupations were adopted from the Bureau of Labor Statistics publication, Monthly Labor Review, "High-Technology Employment: A NAICS-Based Update," July 2005

Note: Location quotients compare the local share of a given industry to the share of that industry for a larger area. This concept measures the relative specialization and concentration of an industry in Alabama compared to the nation.

When LQ = 1, local production for the respective industry is assumed to be sufficient to meet local demand.

When LQ < 1, local production is assumed to be insufficient to meet local demand which would likely result in a greater number of imports to fulfill demand in the respective industry.

When LQ > 1, local production for the respective industry is assumed to be in excess for the local demand and will likely result in a larger number of exports to fulfill demand in other areas of the nation or the world.

Location Quotients for Alabama's High-Technology Oriented Industries ⁽¹⁾

Industry	Alabama Annual Average Employment			Annual Employment Change		Percent of Alabama Employment			Alabama's Location Quotient (LQ)		
	2007	2008	2009	2007-2008	2008-2009	2007	2008	2009	2007	2008	2009
3353 Electrical equipment manufacturing	1,086	1,094	972	8	-122	0.06%	0.06%	0.05%	0.48	0.48	0.48
3359 Other electrical equipment and component mfg.	1,197	1,199	1,192	2	-7	0.06%	0.06%	0.07%	0.60	0.61	0.69
3361 Motor vehicle manufacturing	12,122	11,950	10,849	-172	-1,101	0.62%	0.62%	0.59%	3.78	4.25	4.91
3362 Motor vehicle body and trailer manufacturing	5,197	4,541	3,770	-656	-771	0.27%	0.23%	0.21%	2.18	2.21	2.53
3363 Motor vehicle parts manufacturing	17,263	16,746	13,132	-517	-3,614	0.88%	0.86%	0.72%	1.98	2.15	2.24
3364 Aerospace product and parts manufacturing	12,927	13,498	13,974	571	476	0.66%	0.70%	0.76%	1.83	1.85	1.98
3369 Other transportation equipment manufacturing	1,169	1,509	1,336	340	-173	0.06%	0.08%	0.07%	2.02	2.57	2.55
4234 Commercial equip. merchant wholesalers	4,543	4,235	3,973	-308	-262	0.23%	0.22%	0.22%	0.48	0.45	0.45
4861 Pipeline transportation of crude oil	106	117	110	11	-7	0.01%	0.01%	0.01%	0.92	0.97	0.88
4862 Pipeline transportation of natural gas	469	487	487	18	0	0.02%	0.03%	0.03%	1.19	1.25	1.28
4869 Other pipeline transportation	105	110	113	5	3	0.01%	0.01%	0.01%	1.25	1.16	1.17
5112 Software publishers	433	423	414	-10	-9	0.02%	0.02%	0.02%	0.12	0.11	0.11
5171 Wired telecommunications carriers	9,209	9,799	9,176	590	-623	0.47%	0.51%	0.50%	0.97	1.02	1.01
5174 Satellite telecommunications	11	10	11	-1	1	0.00%	0.00%	0.00%	0.06	0.05	0.06
5179 Other telecommunications	1,716	1,282	1,563	-434	281	0.09%	0.07%	0.09%	0.79	0.64	0.84
5182 Data processing and related services	1,603	1,274	922	-329	-352	0.08%	0.07%	0.05%	0.40	0.33	0.26
5191 Internet publishing/broadcasting and web search portals	1,192	1,248	1,239	56	-9	0.06%	0.06%	0.07%	0.31	0.31	0.32
5413 Architectural and engineering services	28,834	28,525	27,839	-309	-686	1.48%	1.47%	1.52%	1.34	1.33	1.42
5415 Computer systems design and related services	18,332	19,807	20,253	1,475	446	0.94%	1.02%	1.11%	0.93	0.95	1.00
5416 Management and technical consulting services	7,729	7,893	7,005	164	-888	0.40%	0.41%	0.38%	0.56	0.54	0.50
5417 Scientific research and development services	5,307	5,494	5,732	187	238	0.27%	0.28%	0.31%	0.59	0.60	0.64
5511 Management of companies and enterprises	14,706	14,839	15,614	133	775	0.75%	0.77%	0.85%	0.55	0.55	0.59
5612 Facilities support services	3,505	3,567	3,607	62	40	0.18%	0.18%	0.20%	1.75	1.75	1.85
8112 Electronic equipment repair and maintenance	2,408	2,571	2,633	163	62	0.12%	0.13%	0.14%	1.59	1.74	1.89

1. Alabama High-tech occupations were adopted from the Bureau of Labor Statistics publication, Monthly Labor Review, "High-Technology Employment: A NAICS-Based Update," July 2005

Note: Location quotients compare the local share of a given industry to the share of that industry for a larger area. This concept measures the relative specialization and concentration of an industry in Alabama compared to the nation.

When LQ = 1, local production for the respective industry is assumed to be sufficient to meet local demand.

When LQ < 1, local production is assumed to be insufficient to meet local demand which would likely result in a greater number of imports to fulfill demand in the respective industry.

When LQ > 1, local production for the respective industry is assumed to be in excess for the local demand and will likely result in a larger number of exports to fulfill demand in other areas of the nation or the world.

High Technology Occupations*

Statewide Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	2,280	2,640	15.79	75	35	35	\$ 66,951	\$ 101,371	\$ 118,581
119041	Engineering Managers	2,620	2,850	8.78	75	20	55	\$ 80,029	\$ 111,381	\$ 127,062
119121	Natural Sciences Managers	170	170	0.00	5	0	5	\$ 74,471	\$ 104,677	\$ 119,780
151011	Computer and Information Scientists, Research	340	380	11.76	15	5	10	\$ 78,341	\$ 101,156	\$ 112,559
151021	Computer Programmers	4,440	4,370	-1.58	95	0	95	\$ 44,991	\$ 71,487	\$ 84,740
151031	Computer Software Engineers, Applications	3,170	4,580	44.48	190	140	45	\$ 50,532	\$ 80,429	\$ 95,367
151032	Computer Software Engineers, Systems Software	4,740	5,950	25.53	190	120	70	\$ 59,340	\$ 87,035	\$ 100,888
151041	Computer Support Specialists	5,620	6,470	15.12	260	85	175	\$ 22,568	\$ 38,467	\$ 46,428
151051	Computer Systems Analysts	7,310	9,160	25.31	380	185	195	\$ 50,149	\$ 72,489	\$ 83,654
151061	Database Administrators	1,060	1,350	27.36	40	30	10	\$ 40,245	\$ 64,157	\$ 76,108
151071	Network and Computer Systems Administrators	3,700	4,680	26.49	185	100	85	\$ 42,592	\$ 63,072	\$ 73,316
151081	Network Systems and Data Communications Analysts	2,790	4,030	44.44	180	125	55	\$ 41,238	\$ 64,984	\$ 76,862
152011	Actuaries	110	130	18.18	5	0	5	\$ 47,099	\$ 70,401	\$ 82,042
152021	Mathematicians	50	60	20.00	0	0	0	\$ 77,617	\$ 98,861	\$ 109,489
152031	Operations Research Analysts	580	590	1.72	15	0	10	\$ 38,922	\$ 71,704	\$ 88,100
152041	Statisticians	280	300	7.14	10	0	10	\$ 42,975	\$ 62,927	\$ 72,903
172011	Aerospace Engineers	2,590	2,940	13.51	85	35	50	\$ 73,213	\$ 99,420	\$ 112,528
172031	Biomedical Engineers	60	70	16.67	0	0	0	\$ 43,740	\$ 73,957	\$ 89,071
172041	Chemical Engineers	650	660	1.54	20	0	15	\$ 61,903	\$ 87,459	\$ 100,236
172051	Civil Engineers	4,620	5,130	11.04	175	50	120	\$ 46,324	\$ 77,359	\$ 92,876
172061	Computer Hardware Engineers	1,190	1,310	10.08	50	10	35	\$ 65,821	\$ 92,545	\$ 105,901
172071	Electrical Engineers	3,610	3,940	9.14	115	35	85	\$ 61,169	\$ 84,740	\$ 96,535
172072	Electronics Engineers, Except Computer	1,690	1,810	7.10	50	10	40	\$ 62,699	\$ 91,739	\$ 106,253
172081	Environmental Engineers	1,100	1,310	19.09	50	20	30	***	***	***
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	310	320	3.23	10	0	5	\$ 50,159	\$ 76,294	\$ 89,361
172112	Industrial Engineers	2,540	3,310	30.31	140	75	60	\$ 53,437	\$ 76,490	\$ 88,007
172131	Materials Engineers	470	550	17.02	20	10	10	\$ 51,689	\$ 84,368	\$ 100,701
172141	Mechanical Engineers	3,930	4,570	16.28	150	65	85	\$ 55,380	\$ 79,902	\$ 92,152
172151	Mining and Geological Engineers, Including Mining Safety Engineers	160	170	6.25	5	0	5	\$ 63,723	\$ 89,412	\$ 102,252

*Alabama High-tech occupations were adopted from the Bureau of Labor Statistics publication, Monthly Labor Review, "High-Technology Employment: A NAICS-Based Update," July 2005

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*** Data not available due to confidentiality.

High Technology Occupations*

Statewide Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
172171	Petroleum Engineers	30	30	0.00	0	0	0	\$ 48,567	\$ 77,865	\$ 92,514
173011	Architectural and Civil Drafters	1,710	1,720	0.58	50	0	50	\$ 24,770	\$ 41,166	\$ 49,353
173012	Electrical and Electronics Drafters	810	840	3.70	25	5	25	\$ 34,094	\$ 53,002	\$ 62,462
173013	Mechanical Drafters	1,020	1,140	11.76	40	10	30	\$ 30,517	\$ 49,477	\$ 58,947
173021	Aerospace Engineering and Operations Technicians	70	80	14.29	0	0	0	\$ 31,396	\$ 50,025	\$ 59,329
173022	Civil Engineering Technicians	2,790	2,870	2.87	60	5	55	\$ 24,253	\$ 39,925	\$ 47,751
173023	Electrical and Electronic Engineering Technicians	1,520	1,640	7.89	40	10	30	\$ 33,877	\$ 50,697	\$ 59,102
173024	Electro-Mechanical Technicians	170	170	0.00	5	0	5	\$ 34,229	\$ 58,947	\$ 71,311
173025	Environmental Engineering Technicians	400	500	25.00	20	10	10	\$ 27,437	\$ 37,496	\$ 42,520
173026	Industrial Engineering Technicians	800	960	20.00	30	15	15	\$ 32,089	\$ 47,006	\$ 54,470
173027	Mechanical Engineering Technicians	430	500	16.28	15	5	10	\$ 29,391	\$ 49,880	\$ 60,125
173031	Surveying and Mapping Technicians	1,630	1,850	13.50	55	20	30	\$ 20,914	\$ 30,817	\$ 35,759
191012	Food Scientists and Technologists	70	80	14.29	5	0	0	\$ 39,191	\$ 63,692	\$ 75,932
191013	Soil and Plant Scientists	110	120	9.09	5	0	5	\$ 48,299	\$ 65,408	\$ 73,957
191021	Biochemists and Biophysicists	40	60	50.00	0	0	0	\$ 36,627	\$ 60,849	\$ 72,955
191031	Conservation Scientists	160	190	18.75	10	5	5	\$ 42,427	\$ 62,027	\$ 71,828
191032	Foresters	590	630	6.78	20	5	15	\$ 40,866	\$ 57,499	\$ 65,811
192012	Physicists	230	260	13.04	10	5	5	\$ 71,104	\$ 110,522	\$ 130,227
192021	Atmospheric and Space Scientists	280	360	28.57	15	10	5	***	***	***
192031	Chemists	640	690	7.81	20	5	15	\$ 41,041	\$ 68,075	\$ 81,597
192032	Materials Scientists	20	20	0.00	0	0	0	\$ 49,808	\$ 85,877	\$ 103,906
192041	Environmental Scientists and Specialists, Including Health	1,410	1,600	13.48	55	20	35	\$ 36,524	\$ 56,124	\$ 65,935
192042	Geoscientists, Except Hydrologists and Geographers	250	280	12.00	10	5	5	\$ 41,868	\$ 58,409	\$ 66,679
192043	Hydrologists	30	30	0.00	0	0	0	\$ 67,569	\$ 80,170	\$ 86,466
194011	Agricultural and Food Science Technicians	460	480	4.35	10	0	5	\$ 29,360	\$ 41,259	\$ 47,213
194021	Biological Technicians	840	1,010	20.24	45	15	30	\$ 26,982	\$ 37,361	\$ 42,551
194031	Chemical Technicians	1,070	1,120	4.67	40	5	35	\$ 27,633	\$ 43,554	\$ 51,514
194091	Environmental Science and Protection Technicians, Including Health	270	320	18.52	15	5	10	\$ 24,366	\$ 43,006	\$ 52,320
194092	Forensic Science Technicians	210	250	19.05	15	5	10	\$ 36,555	\$ 55,194	\$ 64,519
194093	Forest and Conservation Technicians	320	350	9.38	15	0	10	\$ 25,566	\$ 39,408	\$ 46,334

*Alabama High-tech occupations were adopted from the Bureau of Labor Statistics publication, Monthly Labor Review, "High-Technology Employment: A NAICS-Based Update," July 2005

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High-Technology Occupations*

Region 1 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	50	50	0.00	0	0	0	\$ 54,681	\$ 82,638	\$ 96,616
119041	Engineering Managers	60	50	-16.67	0	0	0	\$ 66,549	\$ 84,239	\$ 93,085
151021	Computer Programmers	60	50	-16.67	0	0	0	\$ 31,614	\$ 56,273	\$ 68,603
151031	Computer Software Engineers, Applications	70	100	42.86	5	5	0	\$ 31,931	\$ 48,228	\$ 56,377
151032	Computer Software Engineers, Systems Software	30	40	33.33	0	0	0	\$ 30,739	\$ 53,238	\$ 64,488
151041	Computer Support Specialists	380	460	21.05	20	10	10	\$ 18,358	\$ 23,286	\$ 25,750
151051	Computer Systems Analysts	100	100	0.00	5	0	5	\$ 43,585	\$ 60,619	\$ 69,136
151061	Database Administrators	10	20	100.00	0	0	0	\$ 36,588	\$ 49,601	\$ 56,108
151071	Network and Computer Systems Administrators	90	110	22.22	5	0	0	\$ 41,653	\$ 54,776	\$ 61,338
151081	Network Systems and Data Communications Analysts	60	80	33.33	5	0	0	\$ 38,593	\$ 50,451	\$ 56,380
152041	Statisticians	10	10	0.00	0	0	0	***	***	***
172051	Civil Engineers	130	140	7.69	5	0	5	\$ 43,537	\$ 63,813	\$ 73,950
172071	Electrical Engineers	130	130	0.00	5	0	5	\$ 57,152	\$ 76,680	\$ 86,444
172072	Electronics Engineers, Except Computer	20	10	-50.00	0	0	0	***	***	***
172081	Environmental Engineers	10	10	0.00	0	0	0	\$ 43,687	\$ 87,992	\$ 110,145
172112	Industrial Engineers	100	130	30.00	5	5	5	\$ 46,055	\$ 65,754	\$ 75,603
172141	Mechanical Engineers	90	120	33.33	5	5	0	\$ 43,653	\$ 69,586	\$ 82,552
173011	Architectural and Civil Drafters	30	30	0.00	0	0	0	\$ 29,920	\$ 36,820	\$ 40,270
173012	Electrical and Electronics Drafters	30	20	-33.33	0	0	0	\$ 19,268	\$ 43,005	\$ 54,874
173013	Mechanical Drafters	50	60	20.00	5	0	0	\$ 24,755	\$ 35,419	\$ 40,751
173022	Civil Engineering Technicians	160	160	0.00	5	0	5	\$ 24,620	\$ 34,025	\$ 38,728
173023	Electrical and Electronic Engineering Technicians	20	20	0.00	0	0	0	\$ 43,295	\$ 54,587	\$ 60,234
173031	Surveying and Mapping Technicians	30	30	0.00	0	0	0	\$ 20,294	\$ 28,335	\$ 32,356
191032	Foresters	40	50	25.00	0	0	0	\$ 46,667	\$ 60,451	\$ 67,342
194011	Agricultural and Food Science Technicians	10	10	0.00	0	0	0	***	***	***
194031	Chemical Technicians	20	30	50.00	0	0	0	\$ 20,853	\$ 28,194	\$ 31,863
194091	Environmental Science and Protection Technicians, Including Health	10	10	0.00	0	0	0	***	***	***
194093	Forest and Conservation Technicians	80	90	12.50	5	0	5	\$ 29,590	\$ 40,069	\$ 45,309

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High-Technology Occupations*

Region 2 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	640	780	21.88	25	15	10	\$ 67,560	\$ 108,200	\$ 128,520
119041	Engineering Managers	1,150	1,310	13.91	40	15	25	\$ 84,202	\$ 116,532	\$ 132,697
119121	Natural Sciences Managers	50	60	20.00	0	0	0	\$ 62,098	\$ 106,652	\$ 128,929
151011	Computer and Information Scientists, Research	200	230	15.00	10	5	5	\$ 79,515	\$ 101,707	\$ 112,803
151021	Computer Programmers	1,250	1,300	4.00	30	5	25	\$ 49,845	\$ 73,961	\$ 86,019
151031	Computer Software Engineers, Applications	1,240	1,870	50.81	80	60	20	\$ 63,939	\$ 90,138	\$ 103,237
151032	Computer Software Engineers, Systems Software	2,830	3,550	25.44	115	70	40	\$ 60,402	\$ 89,404	\$ 103,905
151041	Computer Support Specialists	1,340	1,590	18.66	65	25	40	\$ 25,812	\$ 42,353	\$ 50,624
151051	Computer Systems Analysts	2,360	3,190	35.17	145	85	65	\$ 49,289	\$ 74,773	\$ 87,515
151061	Database Administrators	320	430	34.38	15	10	5	\$ 41,157	\$ 64,400	\$ 76,021
151071	Network and Computer Systems Administrators	980	1,320	34.69	55	35	20	\$ 42,506	\$ 61,791	\$ 71,433
151081	Network Systems and Data Communications Analysts	650	1,050	61.54	55	40	15	\$ 39,551	\$ 66,052	\$ 79,303
152011	Actuaries	10	10	0.00	0	0	0	***	\$ 67,300	***
152021	Mathematicians	40	40	0.00	0	0	0	\$ 51,419	\$ 70,766	\$ 80,439
152031	Operations Research Analysts	280	290	3.57	5	0	5	\$ 56,096	\$ 91,191	\$ 108,739
152041	Statisticians	40	50	25.00	0	0	0	***	\$ 57,540	***
172011	Aerospace Engineers	2,120	2,560	20.75	85	45	40	\$ 74,831	\$ 103,838	\$ 118,341
172041	Chemical Engineers	320	340	6.25	10	0	10	\$ 60,724	\$ 86,351	\$ 99,164
172051	Civil Engineers	1,310	1,600	22.14	65	30	35	\$ 48,407	\$ 91,263	\$ 112,692
172061	Computer Hardware Engineers	960	1,080	12.50	40	10	30	\$ 69,730	\$ 94,649	\$ 107,108
172071	Electrical Engineers	1,380	1,570	13.77	50	20	30	\$ 59,737	\$ 87,407	\$ 101,242
172072	Electronics Engineers, Except Computer	1,220	1,350	10.66	40	15	30	\$ 61,812	\$ 93,947	\$ 110,015
172081	Environmental Engineers	410	520	26.83	25	10	10	\$ 65,591	\$ 135,215	\$ 170,027
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	130	140	7.69	5	0	5	\$ 56,281	\$ 83,157	\$ 96,596
172112	Industrial Engineers	930	1,160	24.73	45	25	20	\$ 56,279	\$ 80,950	\$ 93,285
172131	Materials Engineers	280	340	21.43	15	5	5	\$ 63,590	\$ 93,902	\$ 109,058
172141	Mechanical Engineers	1,790	2,040	13.97	65	25	40	\$ 57,432	\$ 81,704	\$ 93,841
173011	Architectural and Civil Drafters	810	870	7.41	30	5	25	\$ 23,313	\$ 36,932	\$ 43,742
173012	Electrical and Electronics Drafters	360	370	2.78	10	0	10	\$ 33,033	\$ 51,190	\$ 60,269
173013	Mechanical Drafters	300	350	16.67	15	5	10	\$ 30,531	\$ 53,152	\$ 64,463

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*** Data not available due to confidentiality.

High-Technology Occupations*

Region 2 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
173021	Aerospace Engineering and Operations Technicians	50	60	20.00	0	0	0	\$ 41,929	\$ 59,717	\$ 68,610
173022	Civil Engineering Technicians	770	840	9.09	20	5	15	\$ 30,110	\$ 45,546	\$ 53,265
173024	Electro-Mechanical Technicians	30	30	0.00	0	0	0	\$ 29,973	\$ 37,815	\$ 41,736
173026	Industrial Engineering Technicians	370	470	27.03	15	10	5	\$ 33,192	\$ 47,693	\$ 54,943

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*** Data not available due to confidentiality.

High-Technology Occupations*

Region 3 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	80	100	25.00	5	0	0	\$ 53,589	\$ 75,872	\$ 87,012
119041	Engineering Managers	160	150	-6.25	5	0	5	\$ 65,535	\$ 92,404	\$ 105,840
151021	Computer Programmers	110	110	0.00	0	0	0	\$ 39,297	\$ 71,231	\$ 87,198
151031	Computer Software Engineers, Applications	40	60	50.00	5	0	0	\$ 32,908	\$ 50,429	\$ 59,190
151032	Computer Software Engineers, Systems Software	50	70	40.00	5	0	0	\$ 57,985	\$ 77,707	\$ 87,567
151041	Computer Support Specialists	220	270	22.73	15	5	5	\$ 24,802	\$ 42,317	\$ 51,075
151051	Computer Systems Analysts	180	240	33.33	10	5	5	\$ 48,215	\$ 68,259	\$ 78,282
151061	Database Administrators	40	50	25.00	0	0	0	\$ 35,183	\$ 53,658	\$ 62,896
151071	Network and Computer Systems Administrators	110	140	27.27	5	5	5	\$ 35,017	\$ 55,249	\$ 65,364
151081	Network Systems and Data Communications Analysts	100	150	50.00	10	5	0	\$ 38,850	\$ 49,592	\$ 54,962
152011	Actuaries	10	10	0.00	0	0	0	***	***	***
172051	Civil Engineers	260	280	7.69	10	0	5	\$ 41,850	\$ 66,265	\$ 78,473
172071	Electrical Engineers	40	50	25.00	0	0	0	\$ 62,165	\$ 74,777	\$ 81,084
172072	Electronics Engineers, Except Computer	20	20	0.00	0	0	0	***	***	***
172081	Environmental Engineers	30	30	0.00	0	0	0	\$ 65,325	\$ 80,226	\$ 87,677
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	20	20	0.00	0	0	0	\$ 56,616	\$ 66,127	\$ 70,883
172112	Industrial Engineers	170	240	41.18	10	5	5	\$ 54,345	\$ 73,477	\$ 83,043
172141	Mechanical Engineers	110	130	18.18	5	0	5	\$ 57,042	\$ 86,517	\$ 101,255
172151	Mining and Geological Engineers, Including Mining Safety Engineers	40	40	0.00	0	0	0	\$ 58,778	\$ 89,283	\$ 104,536
172171	Petroleum Engineers	20	20	0.00	0	0	0	\$ 92,511	\$ 73,305	\$ 102,114
173011	Architectural and Civil Drafters	60	60	0.00	0	0	0	\$ 24,337	\$ 30,718	\$ 33,907
173012	Electrical and Electronics Drafters	10	10	0.00	0	0	0			
173013	Mechanical Drafters	20	30	50.00	0	0	0	\$ 23,412	\$ 34,785	\$ 40,472
173022	Civil Engineering Technicians	210	220	4.76	5	0	5	\$ 23,014	\$ 38,630	\$ 46,438
173026	Industrial Engineering Technicians	80	90	12.50	5	0	0	\$ 43,559	\$ 57,745	\$ 64,839
173031	Surveying and Mapping Technicians	50	60	20.00	0	0	0	\$ 19,801	\$ 28,492	\$ 32,837
191013	Soil and Plant Scientists	10	10	0.00	0	0	0	***	***	***
191032	Foresters	50	50	0.00	0	0	0	\$ 37,938	\$ 52,349	\$ 59,555

*Alabama High-tech occupations were adopted from the Bureau of Labor Statistics publication, Monthly Labor Review, "High-Technology Employment: A NAICS-Based Update," July 2005

** Data Source: U.S. Census Bureau and the Alabama Dept. of Industrial Relations, Local Employment Dynamics Program, Quarterly Workforce Indicators. See website: www.dir.alabama.gov/lmi

*** Data not available due to confidentiality.

High-Technology Occupations*

Region 3 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
192041	Environmental Scientists and Specialists, Including Health	40	50	25.00	0	0	0	\$ 30,439	\$ 50,572	\$ 60,638
192042	Geoscientists, Except Hydrologists and Geographers	50	60	20.00	0	0	0	\$ 46,262	\$ 57,891	\$ 63,705
194021	Biological Technicians	40	40	0.00	0	0	0	\$ 21,350	\$ 33,724	\$ 39,912
194031	Chemical Technicians	60	50	-16.67	0	0	0	\$ 37,930	\$ 46,864	\$ 51,332
194091	Environmental Science and Protection Technicians, Including Health	10	10	0.00	0	0	0	***	***	***
194093	Forest and Conservation Technicians	20	20	0.00	0	0	0	\$ 41,546	\$ 47,296	\$ 50,171

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High-Technology Occupations*

Region 4 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
119121	Natural Sciences Managers	1,800	1,670	-7.22	0	0	40	\$ 83,984	\$ 113,608	\$ 86,931
151011	Computer and Information Scientists, Research	40	50	25.00	0	0	0	\$ 64,778	\$ 89,068	\$ 101,213
151021	Computer Programmers	1,800	1,670	-7.22	40	0	40	\$ 51,251	\$ 75,038	\$ 86,931
151031	Computer Software Engineers, Applications	800	1,070	33.75	40	30	10	\$ 46,009	\$ 74,025	\$ 88,033
151032	Computer Software Engineers, Systems Software	1,070	1,290	20.56	40	20	15	\$ 51,273	\$ 75,616	\$ 87,787
151041	Computer Support Specialists	1,540	1,680	9.09	60	15	50	\$ 32,590	\$ 46,902	\$ 54,057
151051	Computer Systems Analysts	2,460	2,870	16.67	105	40	65	\$ 49,244	\$ 69,720	\$ 79,958
151061	Database Administrators	360	420	16.67	10	5	5	\$ 41,306	\$ 67,288	\$ 80,279
151071	Network and Computer Systems Administrators	1,220	1,450	18.85	50	20	30	\$ 45,187	\$ 69,397	\$ 81,503
151081	Network Systems and Data Communications Analysts	840	1,140	35.71	45	30	15	\$ 45,677	\$ 66,934	\$ 77,563
152011	Actuaries	70	90	28.57	5	0	5	\$ 48,589	\$ 73,749	\$ 86,329
152031	Operations Research Analysts	140	140	0.00	5	0	5	\$ 30,689	\$ 56,929	\$ 70,049
152041	Statisticians	70	70	0.00	0	0	0	\$ 42,591	\$ 59,683	\$ 68,228
172031	Biomedical Engineers	20	30	50.00	0	0	0	\$ 36,537	\$ 57,983	\$ 68,707
172041	Chemical Engineers	20	20	0.00	0	0	0	\$ 83,638	\$ 50,285	\$ 100,314
172051	Civil Engineers	830	890	7.23	25	5	20	\$ 49,615	\$ 74,039	\$ 86,250
172071	Electrical Engineers	1,170	1,240	5.98	35	5	25	\$ 65,114	\$ 84,708	\$ 94,504
172072	Electronics Engineers, Except Computer	240	230	-4.17	5	0	5	\$ 59,408	\$ 80,691	\$ 91,333
172081	Environmental Engineers	180	210	16.67	10	5	5	\$ 43,542	\$ 63,955	\$ 74,162
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	50	50	0.00	0	0	0	\$ 47,840	\$ 73,738	\$ 86,686
172112	Industrial Engineers	340	430	26.47	15	10	10	\$ 52,499	\$ 73,373	\$ 83,810
172131	Materials Engineers	130	160	23.08	5	5	5	\$ 52,656	\$ 70,527	\$ 79,463
172141	Mechanical Engineers	620	670	8.06	20	5	15	\$ 56,675	\$ 79,209	\$ 90,475
173011	Architectural and Civil Drafters	340	310	-8.82	10	0	10	\$ 24,893	\$ 44,573	\$ 54,413
173012	Electrical and Electronics Drafters	210	210	0.00	5	0	5	\$ 37,569	\$ 54,508	\$ 62,976
173013	Mechanical Drafters	230	230	0.00	5	0	5	\$ 36,466	\$ 54,210	\$ 63,082
173022	Civil Engineering Technicians	390	380	-2.56	10	0	10	\$ 26,542	\$ 49,258	\$ 60,615
173023	Electrical and Electronic Engineering Technicians	330	330	0.00	5	0	5	\$ 35,253	\$ 52,632	\$ 61,322
173025	Environmental Engineering Technicians	50	60	20.00	0	0	0	\$ 28,117	\$ 37,548	\$ 42,263
173026	Industrial Engineering Technicians	50	60	20.00	0	0	0	\$ 33,286	\$ 45,986	\$ 52,337

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*** Data not available due to confidentiality.

High-Technology Occupations*

Region 4 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
173027	Mechanical Engineering Technicians	100	110	10.00	5	0	0	\$ 32,784	\$ 54,056	\$ 64,693
173031	Surveying and Mapping Technicians	330	350	6.06	5	0	5	\$ 23,749	\$ 34,381	\$ 39,698
191012	Food Scientists and Technologists	20	30	50.00	0	0	0	***	***	***
191013	Soil and Plant Scientists	20	20	0.00	0	0	0	***	***	***
191021	Biochemists and Biophysicists	30	30	0.00	0	0	0	\$ 71,961	\$ 49,496	\$ 83,193
191031	Conservation Scientists	10	10	0.00	0	0	0	***	***	***
191032	Foresters	60	60	0.00	0	0	0	\$ 44,938	\$ 33,440	\$ 50,686
192012	Physicists	20	30	50.00	0	0	0	\$ 123,414	\$ 65,492	\$ 152,375
192031	Chemists	110	120	9.09	5	0	5	\$ 65,376	\$ 39,404	\$ 78,361
192041	Environmental Scientists and Specialists, Including Health	250	310	24.00	15	5	5	\$ 57,661	\$ 35,929	\$ 68,527
192042	Geoscientists, Except Hydrologists and Geographers	40	40	0.00	0	0	0	\$ 54,161	\$ 40,344	\$ 61,070
194011	Agricultural and Food Science Technicians	20	20	0.00	0	0	0	***	***	***
194031	Chemical Technicians	110	120	9.09	10	0	5	\$ 25,206	\$ 40,894	\$ 78,361
194091	Environmental Science and Protection Technicians, Including Health	80	100	25.00	5	0	5	\$ 25,083	\$ 43,190	\$ 52,244
194092	Forensic Science Technicians	60	80	33.33	5	0	0	\$ 42,284	\$ 59,496	\$ 68,101
194093	Forest and Conservation Technicians	20	20	0.00	0	0	0	\$ 37,390	\$ 44,756	\$ 48,438

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High-Technology Occupations*

Region 5 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	70	60	-14.29	0	0	0	\$ 66,945	\$ 91,366	\$ 103,577
119041	Engineering Managers	140	150	7.14	5	0	5	\$ 74,049	\$ 98,823	\$ 111,210
151021	Computer Programmers	60	50	-16.67	0	0	0	\$ 38,876	\$ 58,235	\$ 67,916
151041	Computer Support Specialists	210	210	0.00	10	0	5	\$ 24,989	\$ 40,465	\$ 48,203
151051	Computer Systems Analysts	180	180	0.00	5	0	5	***	***	***
151061	Database Administrators	80	100	25.00	5	0	0	\$ 46,896	\$ 62,844	\$ 70,819
151071	Network and Computer Systems Administrators	130	140	7.69	5	0	5	\$ 43,925	\$ 59,738	\$ 67,644
151081	Network Systems and Data Communications Analysts	110	140	27.27	5	5	0	\$ 26,084	\$ 46,916	\$ 57,334
152041	Statisticians	10	10	0.00	0	0	0	***	***	***
172041	Chemical Engineers	50	50	0.00	0	0	0	\$ 59,378	\$ 78,580	\$ 88,182
172051	Civil Engineers	220	240	9.09	10	0	5	\$ 38,536	\$ 60,667	\$ 71,733
172071	Electrical Engineers	180	180	0.00	5	0	5	\$ 61,695	\$ 78,832	\$ 87,400
172072	Electronics Engineers, Except Computer	50	50	0.00	0	0	0	\$ 56,874	\$ 77,514	\$ 87,834
172081	Environmental Engineers	70	70	0.00	5	0	0	\$ 50,177	\$ 71,177	\$ 81,678
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	20	20	0.00	0	0	0	\$ 38,055	\$ 55,012	\$ 63,490
172112	Industrial Engineers	230	300	30.43	15	5	5	\$ 51,810	\$ 71,039	\$ 80,654
172131	Materials Engineers	10	10	0.00	0	0	0	\$ 47,417	\$ 51,444	\$ 53,457
172141	Mechanical Engineers	550	670	21.82	25	10	10	\$ 49,274	\$ 63,824	\$ 71,099
173011	Architectural and Civil Drafters	40	40	0.00	0	0	0	\$ 19,547	\$ 30,774	\$ 36,388
173012	Electrical and Electronics Drafters	40	30	-25.00	0	0	0	\$ 27,770	\$ 46,220	\$ 55,445
173013	Mechanical Drafters	80	80	0.00	0	0	0	\$ 31,503	\$ 44,467	\$ 50,950
173022	Civil Engineering Technicians	160	170	6.25	5	0	5	\$ 23,801	\$ 34,146	\$ 39,318
173023	Electrical and Electronic Engineering Technicians	30	30	0.00	0	0	0	\$ 43,508	\$ 53,449	\$ 58,419
173025	Environmental Engineering Technicians	20	20	0.00	0	0	0	\$ 30,394	\$ 41,862	\$ 47,596
173026	Industrial Engineering Technicians	60	80	33.33	5	0	0	\$ 32,039	\$ 40,298	\$ 44,428
173031	Surveying and Mapping Technicians	50	50	0.00	0	0	0	\$ 22,039	\$ 30,121	\$ 34,161
191032	Foresters	70	90	28.57	5	0	0	\$ 41,236	\$ 50,702	\$ 55,436
192041	Environmental Scientists and Specialists, Including Health	90	100	11.11	5	0	0	\$ 37,465	\$ 59,955	\$ 71,199
192042	Geoscientists, Except Hydrologists and Geographers	10	10	0.00	0	0	0	***	***	***

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High-Technology Occupations*

Region 5 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
194011	Agricultural and Food Science Technicians	10	10	0.00	0	0	0	***	***	***
194021	Biological Technicians	20	30	50.00	0	0	0	\$ 28,358	\$ 37,203	\$ 41,626
194093	Forest and Conservation Technicians	40	40	0.00	0	0	0	\$ 27,727	\$ 38,825	\$ 44,373

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High-Technology Occupations*

Region 6 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
119041	Engineering Managers	10	10	0.00	0	0	0	\$ 68,759	\$ 91,818	\$ 103,347
151021	Computer Programmers	10	10	0.00	0	0	0	***	***	***
151041	Computer Support Specialists	60	60	0.00	0	0	0	\$ 18,468	\$ 27,417	\$ 31,892
151051	Computer Systems Analysts	20	20	0.00	0	0	0	***	***	***
151071	Network and Computer Systems Administrators	20	20	0.00	0	0	0	\$ 46,849	\$ 55,205	\$ 59,384
151081	Network Systems and Data Communications Analysts	20	20	0.00	0	0	0	***	***	***
172051	Civil Engineers	40	30	-25.00	0	0	0	\$ 41,758	\$ 64,749	\$ 76,246
172112	Industrial Engineers	30	30	0.00	0	0	0	\$ 53,338	\$ 75,610	\$ 86,746
172141	Mechanical Engineers	30	20	-33.33	0	0	0	\$ 25,901	\$ 54,890	\$ 69,386
173011	Architectural and Civil Drafters	10	10	0.00	0	0	0	***	***	***
173022	Civil Engineering Technicians	50	40	-20.00	0	0	0	\$ 23,302	\$ 30,377	\$ 33,915
191032	Foresters	50	50	0.00	0	0	0	\$ 36,399	\$ 58,963	\$ 70,246
194093	Forest and Conservation Technicians	10	10	0.00	0	0	0	\$ 32,783	\$ 41,666	\$ 46,108

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High-Technology Occupations*

Region 7 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	300	330	10.00	10	5	5	\$ 78,255	\$ 106,813	\$ 121,091
119041	Engineering Managers	130	150	15.38	5	0	5	\$ 73,213	\$ 95,401	\$ 106,496
119121	Natural Sciences Managers	20	20	0.00	0	0	0	\$ 82,364	\$ 101,325	\$ 110,804
151011	Computer and Information Scientists, Research	30	30	0.00	0	0	0	\$ 79,987	\$ 93,953	\$ 100,935
151021	Computer Programmers	410	390	-4.88	10	0	10	\$ 44,128	\$ 64,978	\$ 75,403
151031	Computer Software Engineers, Applications	280	390	39.29	15	10	5	\$ 55,839	\$ 80,216	\$ 92,405
151032	Computer Software Engineers, Systems Software	190	260	36.84	10	5	5	\$ 49,846	\$ 70,647	\$ 81,048
151041	Computer Support Specialists	660	730	10.61	25	5	20	\$ 26,210	\$ 39,272	\$ 45,803
151051	Computer Systems Analysts	1,120	1,360	21.43	55	25	30	\$ 49,712	\$ 67,635	\$ 76,596
151061	Database Administrators	110	140	27.27	5	5	0	\$ 42,163	\$ 64,253	\$ 75,298
151071	Network and Computer Systems Administrators	380	470	23.68	20	10	10	\$ 41,837	\$ 62,175	\$ 72,345
151081	Network Systems and Data Communications Analysts	540	770	42.59	35	25	10	\$ 43,590	\$ 66,725	\$ 78,293
152011	Actuaries	10	10	0.00	0	0	0	\$ 48,973	\$ 62,165	\$ 68,762
152031	Operations Research Analysts	100	100	0.00	0	0	0	\$ 41,548	\$ 53,075	\$ 58,838
152041	Statisticians	100	100	0.00	5	0	5	\$ 42,098	\$ 56,147	\$ 63,172
172031	Biomedical Engineers	10	10	0.00	0	0	0	\$ 64,580	\$ 90,888	\$ 104,041
172051	Civil Engineers	720	760	5.56	25	5	20	\$ 41,291	\$ 66,839	\$ 79,613
172061	Computer Hardware Engineers	50	50	0.00	0	0	0	\$ 65,473	\$ 85,614	\$ 95,684
172071	Electrical Engineers	150	160	6.67	5	0	5	\$ 54,169	\$ 95,370	\$ 115,971
172072	Electronics Engineers, Except Computer	40	40	0.00	0	0	0	\$ 62,127	\$ 75,441	\$ 82,097
172081	Environmental Engineers	220	230	4.55	5	0	5	\$ 49,867	\$ 71,324	\$ 82,054
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	20	20	0.00	0	0	0	\$ 49,438	\$ 72,166	\$ 83,530
172112	Industrial Engineers	160	230	43.75	10	5	5	\$ 52,974	\$ 69,383	\$ 77,587
172141	Mechanical Engineers	230	260	13.04	10	5	5	\$ 53,332	\$ 72,621	\$ 82,264
173011	Architectural and Civil Drafters	100	100	0.00	5	0	5	\$ 27,170	\$ 43,926	\$ 52,304
173012	Electrical and Electronics Drafters	40	40	0.00	0	0	0	\$ 33,823	\$ 47,478	\$ 54,306
173013	Mechanical Drafters	110	120	9.09	5	0	5	\$ 32,819	\$ 41,125	\$ 45,279
173022	Civil Engineering Technicians	380	390	2.63	10	0	5	\$ 22,964	\$ 34,597	\$ 40,414
173023	Electrical and Electronic Engineering Technicians	110	110	0.00	5	0	0	\$ 42,392	\$ 50,494	\$ 54,545
173025	Environmental Engineering Technicians	20	30	50.00	0	0	0	\$ 27,769	\$ 35,450	\$ 39,290

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*** Data not available due to confidentiality.

High-Technology Occupations*

Region 7 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
173026	Industrial Engineering Technicians	70	90	28.57	5	0	0	\$ 30,015	\$ 43,701	\$ 50,544
173027	Mechanical Engineering Technicians	40	50	25.00	0	0	0	\$ 42,067	\$ 53,630	\$ 59,412
173031	Surveying and Mapping Technicians	110	120	9.09	5	0	0	\$ 16,822	\$ 25,222	\$ 29,424
191012	Food Scientists and Technologists	10	10	0.00	0	0	0	***	***	***
191013	Soil and Plant Scientists	10	10	0.00	0	0	0	***	***	***
191032	Foresters	60	70	16.67	5	0	0	\$ 49,677	\$ 64,623	\$ 72,098
192021	Atmospheric and Space Scientists	30	30	0.00	0	0	0	\$ 36,841	\$ 49,888	\$ 56,411
192031	Chemists	80	80	0.00	0	0	0	\$ 47,429	\$ 65,087	\$ 73,917
192041	Environmental Scientists and Specialists, Including Health	390	400	2.56	10	0	10	\$ 37,852	\$ 52,622	\$ 60,007
194011	Agricultural and Food Science Technicians	10	0	-100.00	0	0	0	***	***	***
194031	Chemical Technicians	30	30	0.00	0	0	0	\$ 22,294	\$ 32,123	\$ 37,037
194091	Environmental Science and Protection Technicians, Including Health	10	10	0.00	0	0	0	***	***	***
194093	Forest and Conservation Technicians	40	50	25.00	5	0	0	\$ 19,052	\$ 29,821	\$ 35,205

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*** Data not available due to confidentiality.

High-Technology Occupations*

Region 8 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	60	90	50.00	5	5	0	\$ 73,265	\$ 103,168	\$ 118,120
119041	Engineering Managers	40	50	25.00	0	0	0	\$ 70,976	\$ 98,528	\$ 112,304
119121	Natural Sciences Managers	20	20	0.00	0	0	0	\$ 82,364	\$ 101,325	\$ 110,804
151021	Computer Programmers	100	110	10.00	5	0	0	\$ 37,579	\$ 72,409	\$ 89,824
151031	Computer Software Engineers, Applications	20	30	50.00	0	0	0	***	***	***
151032	Computer Software Engineers, Systems Software	30	50	66.67	5	0	0	\$ 48,571	\$ 76,090	\$ 89,850
151041	Computer Support Specialists	210	240	14.29	10	5	5	\$ 22,122	\$ 38,008	\$ 45,952
151051	Computer Systems Analysts	120	150	25.00	5	5	5	\$ 50,566	\$ 65,856	\$ 73,500
151061	Database Administrators	20	30	50.00	0	0	0	\$ 35,588	\$ 55,997	\$ 66,202
151071	Network and Computer Systems Administrators	130	160	23.08	5	5	5	\$ 45,361	\$ 62,176	\$ 70,583
151081	Network Systems and Data Communications Analysts	50	70	40.00	0	0	0	\$ 43,969	\$ 62,570	\$ 71,871
152041	Statisticians	10	10	0.00	0	0	0	***	***	***
172051	Civil Engineers	160	170	6.25	5	0	5	\$ 36,741	\$ 60,468	\$ 72,332
172071	Electrical Engineers	30	30	0.00	0	0	0	\$ 60,177	\$ 72,513	\$ 78,682
172072	Electronics Engineers, Except Computer	10	10	0.00	0	0	0	***	***	***
172112	Industrial Engineers	180	280	55.56	15	10	5	\$ 76,897	\$ 54,808	\$ 87,942
172141	Mechanical Engineers	50	70	40.00	5	0	0	\$ 71,722	\$ 58,143	\$ 78,511
173012	Electrical and Electronics Drafters	30	30	0.00	0	0	0	\$ 44,720	\$ 58,608	\$ 65,552
173013	Mechanical Drafters	30	40	33.33	0	0	0	\$ 43,652	\$ 28,994	\$ 50,981
173022	Civil Engineering Technicians	110	110	0.00	0	0	0	\$ 25,828	\$ 35,723	\$ 40,669
173026	Industrial Engineering Technicians	30	50	66.67	5	0	0	\$ 48,118	\$ 32,488	\$ 55,932
173031	Surveying and Mapping Technicians	50	50	0.00	0	0	0	\$ 21,074	\$ 28,801	\$ 32,666
191012	Food Scientists and Technologists	10	10	0.00	0	0	0	***	***	***
191031	Conservation Scientists	20	30	50.00	0	0	0	\$ 34,146	\$ 67,013	\$ 83,446
191032	Foresters	80	90	12.50	5	0	0	\$ 47,572	\$ 64,607	\$ 73,125
192031	Chemists	50	50	0.00	0	0	0	\$ 36,478	\$ 53,241	\$ 61,622
194021	Biological Technicians	40	40	0.00	0	0	0	\$ 24,021	\$ 35,911	\$ 41,855
194031	Chemical Technicians	50	50	0.00	0	0	0	\$ 32,316	\$ 44,505	\$ 50,600
194091	Environmental Science and Protection Technicians, Including Health	10	20	100.00	0	0	0	***	***	***

*Alabama High-tech occupations were adopted from the Bureau of Labor Statistics publication, Monthly Labor Review, "High-Technology Employment: A NAICS-Based Update," July 2005

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*** Data not available due to confidentiality.

High-Technology Occupations*

Region 9 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	240	290	20.83	10	5	5	\$ 64,386	\$ 96,782	\$ 112,981
119041	Engineering Managers	250	280	12.00	10	5	5	\$ 81,820	\$ 118,067	\$ 136,190
119121	Natural Sciences Managers	20	20	0.00	0	0	0	\$ 88,209	\$ 62,464	\$ 101,082
151011	Computer and Information Scientists, Research	20	20	0.00	0	0	0	***	***	***
151021	Computer Programmers	540	570	5.56	15	0	10	\$ 36,992	\$ 62,575	\$ 75,366
151031	Computer Software Engineers, Applications	350	520	48.57	20	15	5	\$ 38,288	\$ 66,989	\$ 81,339
151041	Computer Support Specialists	620	720	16.13	30	10	20	\$ 26,902	\$ 37,449	\$ 42,722
151051	Computer Systems Analysts	600	770	28.33	35	15	15	\$ 42,761	\$ 69,742	\$ 83,231
151061	Database Administrators	110	150	36.36	5	5	0	\$ 35,981	\$ 53,930	\$ 62,903
151071	Network and Computer Systems Administrators	470	630	34.04	25	15	10	\$ 41,460	\$ 53,201	\$ 59,072
151081	Network Systems and Data Communications Analysts	330	500	51.52	25	15	5	\$ 34,496	\$ 55,054	\$ 65,333
152011	Actuaries	10	10	0.00	0	0	0	***	***	***
152031	Operations Research Analysts	20	20	0.00	0	0	0	\$ 40,867	\$ 52,895	\$ 58,909
152041	Statisticians	20	20	0.00	0	0	0	***	***	***
172041	Chemical Engineers	180	160	-11.11	5	0	5	\$ 71,284	\$ 93,656	\$ 104,842
172051	Civil Engineers	640	670	4.69	20	5	15	\$ 52,002	\$ 76,823	\$ 89,234
172061	Computer Hardware Engineers	60	70	16.67	5	0	0	\$ 49,489	\$ 74,771	\$ 87,412
172071	Electrical Engineers	320	340	6.25	10	5	5	\$ 56,336	\$ 81,340	\$ 93,840
172072	Electronics Engineers, Except Computer	90	100	11.11	5	0	0	\$ 69,927	\$ 95,129	\$ 107,730
172081	Environmental Engineers	110	120	9.09	5	0	5	\$ 49,519	\$ 78,954	\$ 93,672
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	40	40	0.00	0	0	0	\$ 50,776	\$ 78,466	\$ 92,310
172112	Industrial Engineers	290	410	41.38	20	10	5	\$ 53,363	\$ 77,791	\$ 90,004
172131	Materials Engineers	30	40	33.33	0	0	0	\$ 63,465	\$ 73,180	\$ 78,038
172141	Mechanical Engineers	420	480	14.29	15	5	10	\$ 55,956	\$ 79,572	\$ 91,381
173011	Architectural and Civil Drafters	170	150	-11.76	5	0	5	\$ 28,440	\$ 48,782	\$ 58,953
173012	Electrical and Electronics Drafters	60	70	16.67	0	0	0	\$ 28,281	\$ 50,846	\$ 62,128
173013	Mechanical Drafters	140	170	21.43	5	0	5	\$ 35,066	\$ 59,341	\$ 71,477
173022	Civil Engineering Technicians	370	360	-2.70	5	0	5	\$ 25,002	\$ 39,780	\$ 47,170
173023	Electrical and Electronic Engineering Technicians	170	170	0.00	5	0	5	\$ 41,262	\$ 55,740	\$ 62,980
173025	Environmental Engineering Technicians	50	60	20.00	0	0	0	\$ 23,738	\$ 37,190	\$ 43,915

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High-Technology Occupations*

Region 9 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
173026	Industrial Engineering Technicians	100	110	10.00	5	0	0	\$ 38,826	\$ 52,406	\$ 59,196
191012	Food Scientists and Technologists	10	10	0.00	0	0	0	***	***	***
191013	Soil and Plant Scientists	10	10	0.00	0	0	0	***	***	***
191031	Conservation Scientists	10	20	100.00	0	0	0	\$ 52,677	\$ 65,443	\$ 71,827
191032	Foresters	60	70	16.67	0	0	0	\$ 47,522	\$ 65,721	\$ 74,821
192031	Chemists	130	120	-7.69	5	0	5	\$ 38,540	\$ 68,636	\$ 83,684
192041	Environmental Scientists and Specialists, Including Health	180	190	5.56	5	0	5	\$ 36,679	\$ 53,337	\$ 61,668
192042	Geoscientists, Except Hydrologists and Geographers	30	30	0.00	0	0	0	\$ 40,058	\$ 66,717	\$ 80,045
194011	Agricultural and Food Science Technicians	30	40	33.33	0	0	0	***	***	***
194021	Biological Technicians	100	120	20.00	5	0	5	\$ 28,660	\$ 37,207	\$ 41,480
194031	Chemical Technicians	250	250	0.00	10	0	10	\$ 29,972	\$ 47,799	\$ 56,714
194091	Environmental Science and Protection Technicians, Including Health	50	50	0.00	5	0	0	\$ 23,935	\$ 30,740	\$ 34,142
194093	Forest and Conservation Technicians	20	20	0.00	0	0	0	\$ 39,336	\$ 46,709	\$ 50,395

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High-Technology Occupations*

Region 10 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
113021	Computer and Information Systems Managers	90	120	33.33	5	5	0	\$ 60,474	\$ 88,010	\$ 101,778
119041	Engineering Managers	100	110	10.00	5	0	0	\$ 78,385	\$ 107,019	\$ 121,335
151011	Computer and Information Scientists, Research	10	20	100.00	0	0	0	***	***	***
151021	Computer Programmers	150	170	13.33	5	5	5	\$ 37,431	\$ 50,367	\$ 56,836
151031	Computer Software Engineers, Applications	180	290	61.11	15	10	5	***	***	***
151041	Computer Support Specialists	440	540	22.73	25	10	15	\$ 18,437	\$ 25,089	\$ 28,416
151051	Computer Systems Analysts	200	270	35.00	10	5	5	\$ 43,233	\$ 63,293	\$ 73,324
151061	Database Administrators	30	40	33.33	0	0	0	\$ 29,738	\$ 47,474	\$ 56,342
151071	Network and Computer Systems Administrators	170	200	17.65	5	5	5	\$ 40,855	\$ 57,987	\$ 66,553
151081	Network Systems and Data Communications Analysts	120	180	50.00	10	5	5	\$ 36,105	\$ 57,242	\$ 67,810
152031	Operations Research Analysts	20	20	0.00	0	0	0	\$ 36,089	\$ 57,304	\$ 67,913
152041	Statisticians	10	10	0.00	0	0	0	***	***	***
172011	Aerospace Engineers	80	90	12.50	5	0	0	\$ 52,591	\$ 75,740	\$ 87,313
172051	Civil Engineers	210	230	9.52	10	0	5	\$ 39,426	\$ 63,049	\$ 74,861
172071	Electrical Engineers	230	260	13.04	10	5	5	***	***	***
172072	Electronics Engineers, Except Computer	40	40	0.00	0	0	0	\$ 56,923	\$ 83,435	\$ 96,691
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	20	20	0.00	0	0	0	\$ 44,443	\$ 77,007	\$ 93,289
172112	Industrial Engineers	90	90	0.00	0	0	0	\$ 49,610	\$ 64,324	\$ 71,681
172141	Mechanical Engineers	130	120	-7.69	5	0	5	\$ 58,207	\$ 69,528	\$ 75,189
173011	Architectural and Civil Drafters	90	90	0.00	5	0	5	\$ 26,012	\$ 36,021	\$ 41,027
173012	Electrical and Electronics Drafters	20	30	50.00	0	0	0	\$ 25,284	\$ 35,330	\$ 40,352
173013	Mechanical Drafters	30	30	0.00	0	0	0	\$ 31,103	\$ 49,386	\$ 58,528
173022	Civil Engineering Technicians	150	150	0.00	5	0	5	\$ 19,118	\$ 29,082	\$ 34,063
173023	Electrical and Electronic Engineering Technicians	100	100	0.00	0	0	0	\$ 39,539	\$ 60,187	\$ 70,511
173024	Electro-Mechanical Technicians	10	10	0.00	0	0	0	\$ 30,612	\$ 42,062	\$ 47,787
173026	Industrial Engineering Technicians	30	40	33.33	0	0	0	\$ 28,678	\$ 44,546	\$ 52,480
173031	Surveying and Mapping Technicians	70	80	14.29	0	0	0	\$ 19,273	\$ 27,230	\$ 31,209
191031	Conservation Scientists	20	20	0.00	0	0	0	\$ 52,280	\$ 71,919	\$ 81,738
191032	Foresters	60	60	0.00	0	0	0	\$ 43,065	\$ 57,582	\$ 64,840
192031	Chemists	20	20	0.00	0	0	0	***	***	***

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High-Technology Occupations*

Region 10 Projections and Wages

SOC	SOC Title	Employment			Average Annual Job Openings			Annual Salary		
		2008	2018	Percent Change (%)	Total	Growth	Separations	Entry	Mean	Experience
192042	Geoscientists, Except Hydrologists and Geographers	10	10	0.00	0	0	0	***	***	***
194011	Agricultural and Food Science Technicians	10	10	0.00	0	0	0	***	***	***
194031	Chemical Technicians	50	50	0.00	0	0	0	***	***	***

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